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WATERMASTER SERVICE

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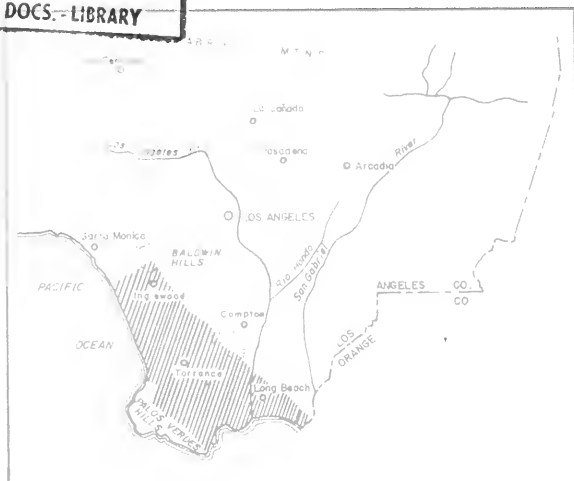
WEST COAST BASIN

LOS ANGELES COUNTY

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FOR PERIOD

OCTOBER 1, 1973

THROUGH

SEPTEMBER 30, 1974

DECEMBER 1974

NORMAN B. LIVERMORE, JR.
Secretary for Resources
The Resources Agency

RONALD REAGAN
Governor
State of California

JOHN R. TEERINK
Director
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DEPARTMENT OF WATER RESOURCES

Ronald Reagan, Governor
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John R. Teerink, Director, Department of Water Resources
Robert G. Eiland, Deputy Director

SOUTHERN DISTRICT

Jack J. Coe District Engineer and Watermaster
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FOREWORD

The Department of Water Resources, as Watermaster for the West Coast Basin, submits this annual report as a comprehensive review of water supply conditions in the Basin during the 1973-74 water year. The report was prepared for the Los Angeles County Superior Court and for the parties to the West Coast Basin Judgment, whose provisions authorize its publication.

The West Coast Basin is administered by the Department as a Watermaster Service Area in accordance with Part 4, Division 2, of the California Water Code. The Basin has been operating for several years under a well-defined management plan that limits and monitors ground water extractions.

This report contains information on ground water extractions, use of imported water, recharge operations, the administration of the exchange Water Pool, and a financial report on Watermaster Service during the 1973-74 water year.



Jack J. Coe
District Engineer
Southern District
and Watermaster
Reg. C. E. No. 8075

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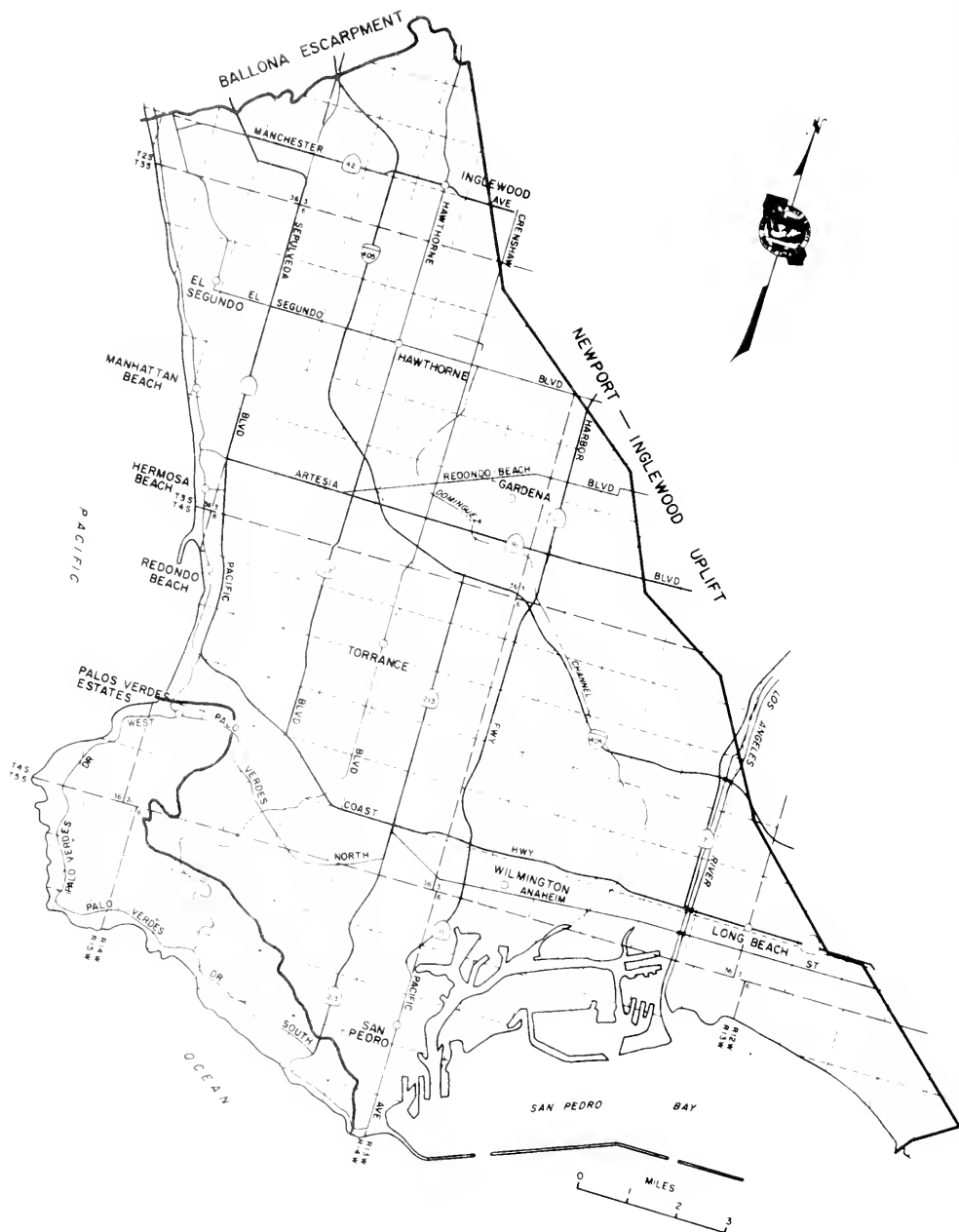


Figure I. WEST COAST BASIN

I. THE WEST COAST BASIN

The West Coast Basin is a relatively small ground water basin underlying the southwestern part of the Los Angeles Coastal Plain. It is bounded on the south and west by the Pacific Ocean, on the north by the Ballona Escarpment, and on the east by the Newport-Inglewood Uplift. The Basin's 160 square miles includes 19 incorporated cities. A substantial portion of the water needed by these communities can be pumped directly from the ground water in storage beneath them.

Some 21 years ago, when an incursion of sea water caused by declining water levels threatened the quality of the ground water supply, timely legal action was begun to halt the overdraft and prevent serious damage to the Basin. Today ground water use in the Basin is monitored by a court-appointed Watermaster whose primary job is to control ground water use and report all significant water-related events in the Basin to the Superior Court in Los Angeles County and parties to the West Coast Basin Judgment. The Basin has been operated under the management of a Watermaster for 13 years.

History of Water Resources Development

The absence of adequate surface water supplies in the West Coast Basin forced the early development of ground water sources. In 1870, the communities of Inglewood and Long Beach had tapped the artesian wells and springs east of the Newport-Inglewood Uplift. When the artesian wells ceased to flow, water users were forced to drill shallow wells. By 1904, about 100 wells were producing 10,000 acre-feet annually. The techniques used to develop ground

water were advanced dramatically in 1909 with the advent of the deep-well turbine pump. Its tremendous adaptability and superior operating characteristics gave countless users access to efficient water wells. Dependable sources of water attracted industry and agriculture and in time the demand for water exceeded the rate at which the Basin was being replenished naturally. The resulting overdraft was clearly shown by falling ground water levels and increasing sea-water intrusion. Water levels throughout the Basin dropped below sea level in the 1920's. Wells along Santa Monica Bay were abandoned by 1920 because the water was too salty to use. By 1932, the entire coastal reach of the Basin had been invaded by sea water.

Ground water deterioration continued until in 1945 the California Water Service Company, the City of Torrance, and the Palos Verdes Water Company filed suit in Superior Court, Los Angeles County. Their objectives: to quiet title to the ground water rights of each pumper and to establish control over ground water extractions from the Basin. Other organizations moved to support the litigations and the West Basin Water Association was formed in 1946. A plan to manage the Basin's water resources was set up to:

- 1) Provide a supplemental supply for major producers
- 2) Limit ground water extractions
- 3) Create an exchange pool to provide pumping rights for users not having access to supplemental water.

The first of these steps was realized in 1947 when the West Basin Municipal Water District (WBMWD) was formed to distribute water from the Colorado River. WBMWD was annexed to The Metropolitan Water District of Southern California (MWD) in 1948, and Colorado River water began flowing into the West Coast Basin.

The second and third steps began when the Court held its preliminary hearings in 1946 to define the ground water problem and outline areas in which more information was needed. The Court then asked the California Division of Water Resources, now the Department of Water Resources (DWR), to define the boundaries and determine the geohydrologic characteristics of the West Coast Basin. Division personnel spent six years analyzing the physical properties of the Basin. The major water producers also retained an "Engineering Advisory Committee" to aid the investigation.

As more information became available, the full magnitude of the problem became evident. In 1949, an amended complaint added 340 parties to the suit. A "Report of Referee" was filed with the Court on September 15, 1952.

Several years passed before water users became sufficiently alarmed by ground water conditions to draft an Interim Agreement that reduced ground water extractions until a final Judgment was approved. The Court approved the Agreement and appointed the Division of Water Resources as Watermaster to administer it.

A "Final Report of Referee" filed on June 8, 1961, included data on ground water conditions between 1950 and 1956. The Report provided the information needed to draft the final Judgment. On August 18, 1961, after 16 years of litigation, the Court rescinded the Interim Agreement and signed the West Coast Basin Judgment. The new Judgment retained DWR as Watermaster.

A second suit, often called the American Plant Growers Case, was filed on October 31,

1956. As a result, 76 additional parties were placed under the jurisdiction of the Court on March 24, 1966. Appendix A lists all parties originally under jurisdiction of the Court and all successors in interest.

Watermaster Service

DWR forms Watermaster Service Areas at the request of water users or by order of the Superior Court. Cost of the service is shared equally by the State and the participating users.

Once a month, every ground water pumper reports his extractions to the Watermaster and each water right account is revised by computation of the amount pumped during the previous month, the total amount pumped thus far during the current water year, and the amount that can legally be pumped during the remainder of the water year. Each pumper receives an updated copy of his account every month.

Accurate measurement of ground water extractions is absolutely necessary to the success of the Basin's management plan. Therefore, the field staff calibrates the water meter on every active water well at least once every two years. Every available means, including system efficiency tests, are used to confirm water meter test results. Inaccurate meters must be repaired in 30 days. Follow-up tests on repaired meters and initial tests on new wells are scheduled whenever necessary.

Once each fall and once each spring of each water year the depth to the static ground water level is measured in about 350 water wells in the Basin. The measurements are used to prepare "fall" and "spring" contour maps of ground water surface and "fall-to-fall" maps of areas of equal elevation change over a one-year period.

Summary of Operating Conditions

Since 1966-67, the water supply and water use conditions have continued to remain stable. In 1973-74, total water use decreased by one percent as compared to the prior year. Ground water extractions have also remained stable over a longer period averaging about 62,000 acre-feet annually since 1958-59. Growth in water requirements has been met by new supplemental sources and the trend is for continued increase in imported water use.

Rainfall was 92 percent of normal and was 28 percent less than the prior year. This was not reflected in an increase in total water use.

Exchange Pool Water requests totaling 486 acre-feet were 52 acre-feet greater than the prior year and sold at \$27.73/acre-foot. Water right leases

during the same period totaled 29 and amounted to 12,645.00 acre-feet. There were four sales of water rights amounting to 194.40 acre-feet.

In the 1973-74 water year, 12 parties overextracted a total of 147.59 acre-feet. Of these, seven parties overextracted by less than the 10 percent or 2 acre-feet limitation set by the Judgment. The five parties in violation of the Judgment leased or purchased sufficient water to offset their overextractions and meet their 1974-75 water needs. As a result, the Watermaster recommends that no action be brought before the Court against the five parties.

The summary below compares statistics for the last two water years and confirms that operating conditions are virtually unchanged from the prior water year.

Item	Water Year	
	1972-73	1973-74
Parties	77	76
Active pumps	43	42
Active nonparties	5	4
Adjudicated Right, in acre-feet	64,468.25	64,468.25
Watermaster expenses, total	\$ 44,946.74	45,405.71
Watermaster expenses per acre-foot pumped	\$.74	.82
Rainfall, in inches	16.29	11.77
Injection at barrier project, in acre-feet	36,616.00	35,370.00
Extractions, in acre-feet	60,477.84	54,966.10
Imports, in acre-feet	247,999.00	251,931.00
Exports, in acre-feet	- 11,323.00	- 12,055.90
TOTAL WATER USE, in acre-feet	297,153.84	294,841.20



II. WATER SUPPLY

Water from several sources serves Southern California -- Colorado and Owens Rivers water, Northern California water via the State Water Project, mountain runoff, and ground water.

Precipitation

Typically sparse rainfall has little influence on the ground water supply of the West Coast Basin. Impermeable material lying between the surface and the producing aquifers prevents almost all rainfall from reaching zones from which it could be pumped to the surface. Longtime average precipitation is 12.73 inches per year. Average for the 1973-74 water year was 92% of that amount. Locations of precipitation stations used to measure rainfall in the Basin are shown in Figure 2.

Ground Water Recharge

Natural replenishment of the Basin's ground water supply is limited to underflow from the Central Basin, which bounds the West Coast Basin on the east.

TABLE I. SPREADING OPERATIONS^{a/}

Water Source	Quantity (in acre-feet)	1973-74	1974-75
Local runoff	44,835 ^{b/}	44,835 ^{b/}	44,835 ^{b/}
Unreleased water			
Whittier Narrows	13,600	13,600	13,600
San Jose	8,307	8,307	8,307
MWD water purchased ^{c/}			
With CWSRP Fund	71,007	71,007	71,007
By CWSRP	20,000	20,000	20,000
Makeup water from Upper San Gabriel Basin	0	0	0
TOTAL	198,751	198,751	198,751

a/ Information provided by SACPD as to amount actually spread in Metropolitan Parkway levee.
b/ Includes rising water.
c/ Amount purchased is slightly higher due to percolation losses, evaporation, etc.
d/ With funds from Long Beach station.

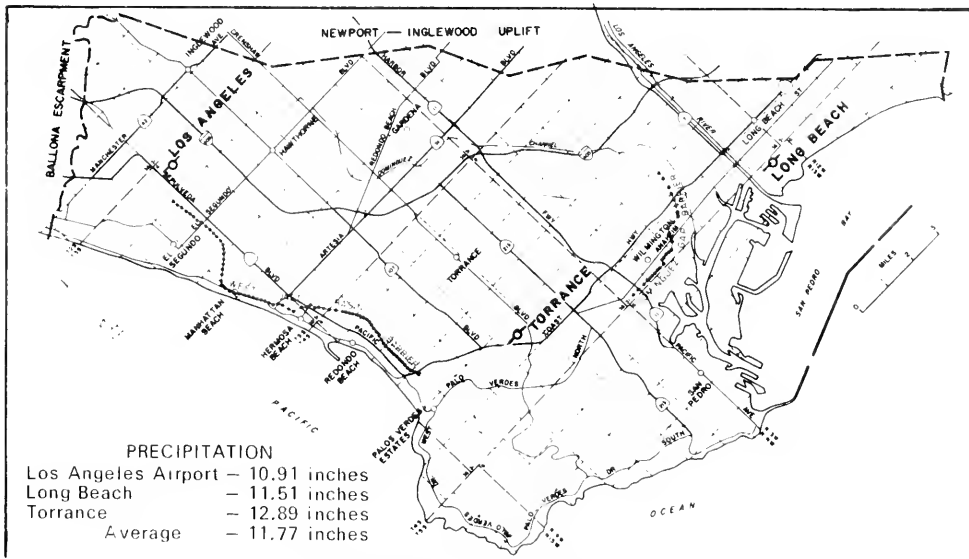


Figure 2. PRECIPITATION STATIONS AND BARRIER PROJECTS

Water spread in the Central Basin percolates into aquifers there and eventually some crosses the Newport-Inglewood Uplift to supplement the ground water supply in the West Coast Basin. Although the water is not directly applied to the West Coast Basin, this process returns large quantities of water to the ground and substantially increases natural subsurface flow from the Central to the West Coast Basin. Effectiveness of the process is limited to the space available in one basin for spreading facilities and the other basin's capability to accept the water. The entire spreading operation is summarized in Table 1. MWD water is no longer purchased with Los Angeles County Flood Control District (LACFCD) Zone 1 funds

because assessments for the fund were terminated on June 30, 1972.

Water Wells

In the 1973-74 water year the West Coast Basin contained 816 wells: 108 active and 126 inactive; 121 injection and 461 observation. Plate 1 shows the location and status of wells as of the end of the water year. No well was drilled and 4 were destroyed. Appendix C lists those destroyed wells.

A numbering system designated as a State Well Number is assigned to all water wells for identification in the Basin (Figure 3).

State well numbers that identify each water well in the West Coast Basin are derived from a system based on the U. S. Public Land Survey. Each number consists of township and range designation, a section number, a letter representing the 40-acre tract in which the well is situated, a sequence number indicating the chronological order in which the well number was assigned, and a letter repre-

sending the base and meridian. The last letter is frequently omitted from well numbers in a single area because all wells there share a single base and meridian. Well numbers are assigned by the Watermaster.

The components of well No. 4S/14W-13D06S, for example, are identified in the following breakdown:

Township	Range	Section	Tract	Sequence number	Base and meridian
<u>4S</u>	<u>14W</u>	<u>13</u>	<u>D</u>	<u>06</u>	<u>S</u>

The derivation of the components is illustrated below.

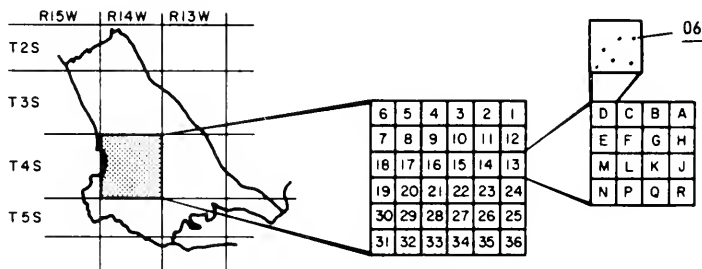


Figure 3. SYSTEM FOR WATER WELL IDENTIFICATION

Sea-water Intrusion Barrier Projects

Sea-water intrusion in the West Coast Basin along Santa Monica Bay has been effectively halted by a barrier project consisting of a line of 92 injection wells that parallel the coast between the Los Angeles International Airport and the Palos Verdes Hills. LACFCD, which operates the project, injects filtered Colorado River water into the barrier to create a pressure ridge that impedes the inland movement of a salt-water front and maintains protective ground water elevations in the Silverado and "200-foot sand" aquifers. Water for the barrier is purchased by the Central and West Basin Water Replenishment District (CWBWRD) and delivered by MWD. Scope of the project is shown in Figure 4, which illustrates the extent to which sea water has intruded into the merged phases of the Silverado aquifer. In January 1973, Northern California water was injected for seven days and resumed in September 1974.

A second barrier to sea-water intrusion was built by IACFCD along San Pedro Bay. This project, called the Dominguez Gap barrier project, started operations during February 1971 and operates in a manner similar to the West Coast Basin barrier project. The project has 29 injection wells located as shown in Figure 2. Table 2 gives additional data on the barrier projects. In January 1973, Northern California water was injected for seven days and resumed in September 1974.

TABLE 2. BARRIER OPERATIONS ^{a/}

Operation	West Coast Basin	Dominguez Gap
Quantity injected, in acre-feet	27,541	7,829
Average injection rate, cubic feet per second	38.04	11.51
Number of injection wells	92	29
Number of observation wells	264	197
Number of injection wells to be added during 1974-75 water year	11	0
Number of observation wells to be added during 1974-75	3	19

^{a/} Information provided by the Los Angeles County Flood Control District.

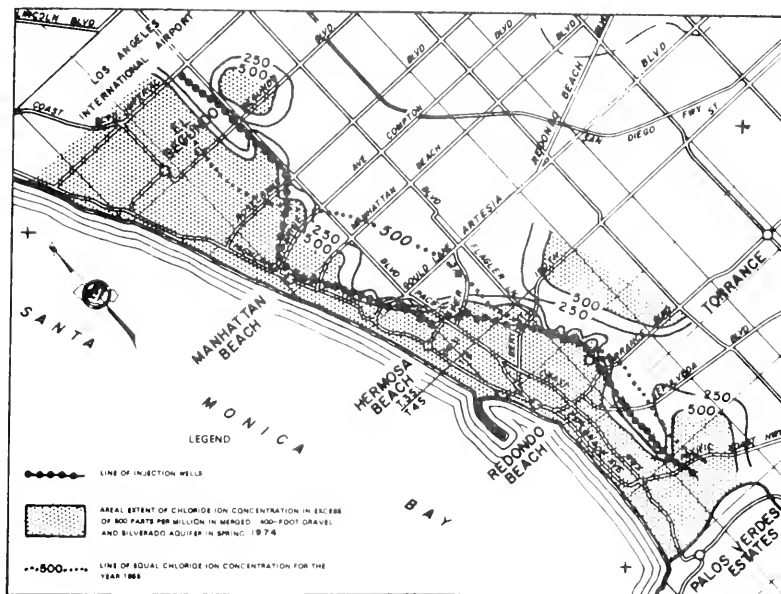
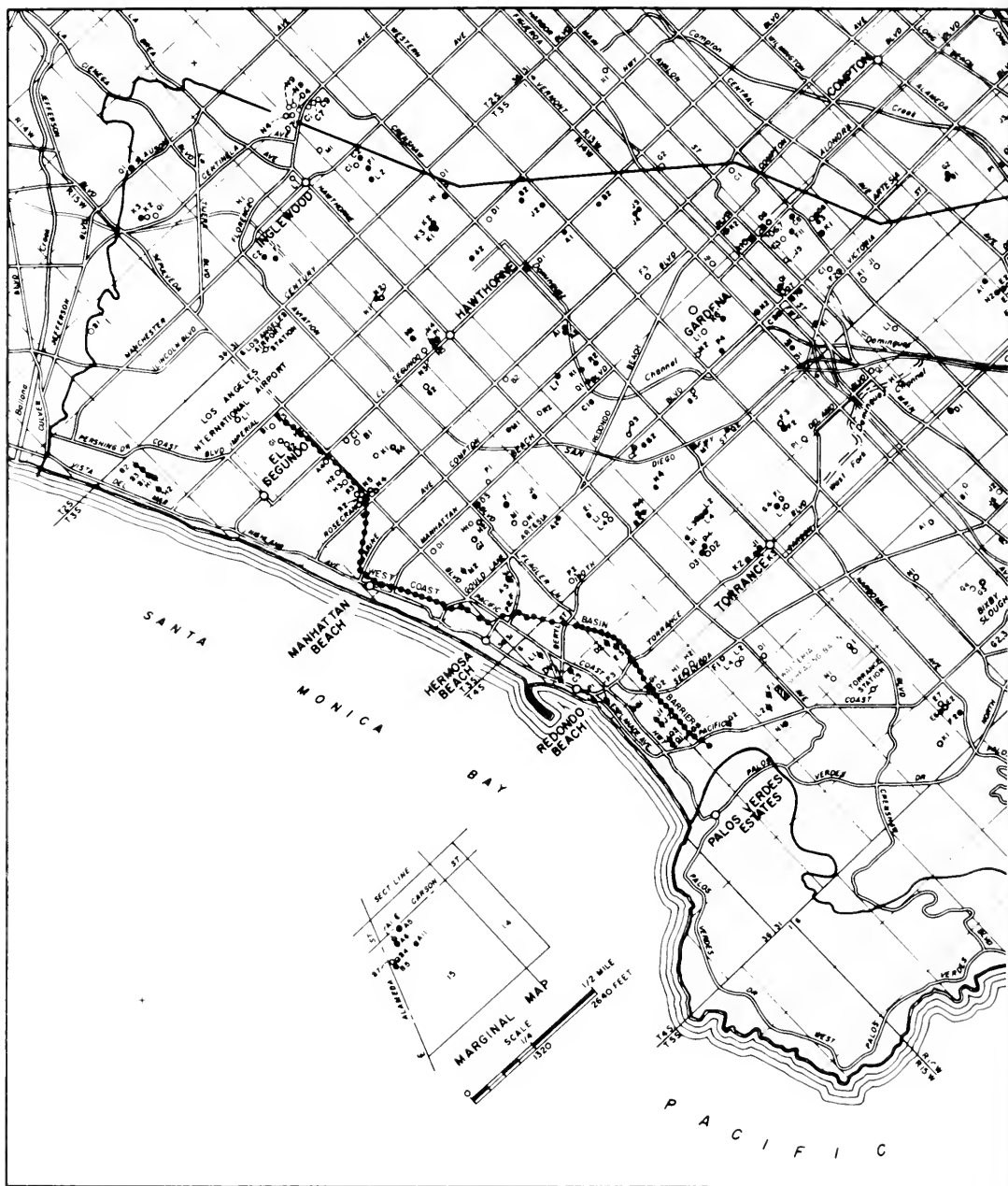
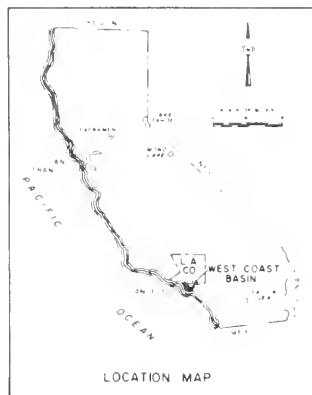


Figure 4. WEST COAST BASIN BARRIER PROJECT





LEGEND

- BASIN BOUNDARY
- ACTIVE WELLS OF PARTIES
- INACTIVE WELLS OF PARTIES
- ◊ ACTIVE WELLS OF NONPARTIES
- ◉ INACTIVE WELLS ON WHICH CONTINUOUS RECORDERS MEASURING WATER LEVELS ARE MAINTAINED BY D.W.R.
- ◐ INACTIVE WELLS ON WHICH CONTINUOUS RECORDERS MEASURING WATER LEVELS ARE MAINTAINED BY PARTIES.
- ◆ LOS ANGELES COUNTY FLOOD CONTROL DISTRICT OBSERVATION WELLS
- ◆◆ LINE OF INJECTION WELLS
- PRECIPITATION STATION
- ▨ SPREADING GROUNDS

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT

WEST COAST BASIN WATERMASTER SERVICE

LOCATION OF WELLS
AND
PRECIPITATION STATIONS



1974

Ground Water Levels

The volume of ground water stored in the West Coast Basin is constantly changed by variations in subsurface inflow and outflow, artificial recharge, extractions, and in precipitation, to a lesser degree. The Silverado aquifer, underlying most of the West Coast Basin, is the most productive aquifer in the Basin. Ranging from 100 to 500 feet in thickness, it yields from 80 to 90 percent of the ground water extracted annually.

Measurements of ground water surface elevations (Plates 2 and 3) and the summarization of changes in water level elevations (Plate 4) demonstrate an increase in storage along the northern part of the Basin, where extractions have been reduced, and a decrease in storage in the southeastern area, where extractions have increased. The hydrographs of selected wells representative of the various aquifers underlying the Basin show that the water surface has stabilized (Figures 5, 6, 7). In some cases, it has risen slightly, due to recharge operations and changing extraction patterns.

In Lieu Replenishment

During the 1965-66 water year, CWBWRD, began a program of in lieu replenishment. By contract with it, any producer with access to supplemental water may use it instead of water pumped from the ground. The program may be used to:

- 1) Alter pumping patterns within a ground water basin;
- 2) Replenish areas of low transmissibility where conventional recharge techniques are ineffective;
- 3) Heighten the effect of injecting water to form a sea-water barrier by reducing nearby extractions;
- 4) Reduce the amount of replenishment water purchased by CWBWRD;
- 5) Reduce the annual ground water extraction from the West Coast Basin.

When CWBWRD first announced its intention to begin in lieu replenishment, several West Coast Basin producers expressed an interest. However, the only producer to participate so far has been the California Water Service Company. The in lieu replenishment program is an effective basin management tool which, if expanded, could obtain significant beneficial results. CWBWRB, 7439 East Florence Avenue, Downey, California, 90240, is a source of additional information.

TABLE 3 IN LIEU REPLENISHMENT PROGRAM ^{2/}

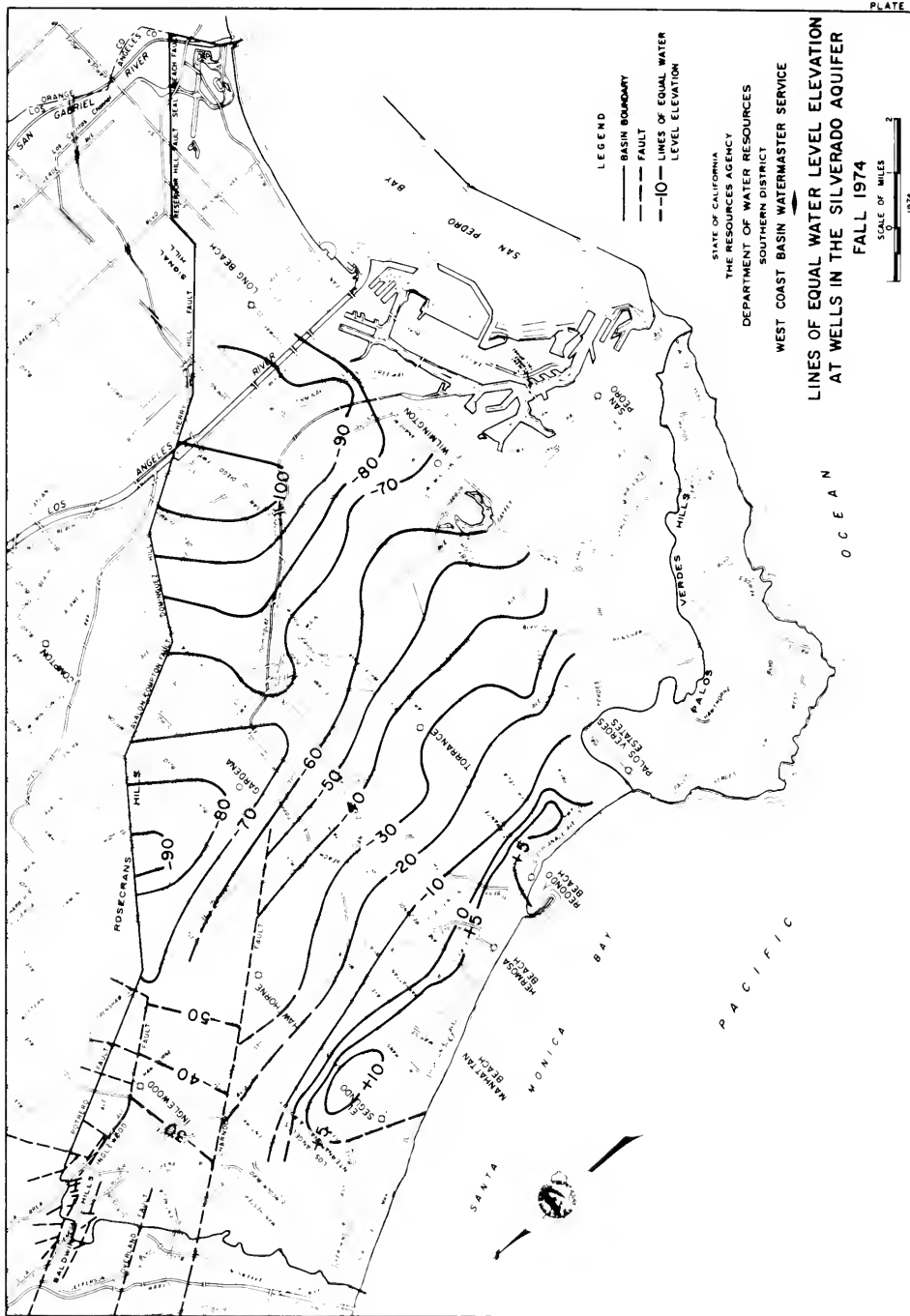
Water year	Amount contracted (in acre-feet)	Contract price (dollars per acre-foot)	Total Payment
1965-66	744.59	\$ 12.33	\$ 9,180.79
1966-67	850.57	14.14	12,027.04
1967-68	850.00	13.34	11,350.00
1968-69	850.00	14.25	12,112.50
1969-70	899.88	15.32	13,786.16
1970-71	881.30	17.83	15,713.58
1971-72	755.55	20.01	15,118.56
1972-73	401.28	20.78	18,728.60
1973-74	701.32	13.69	12,339.07

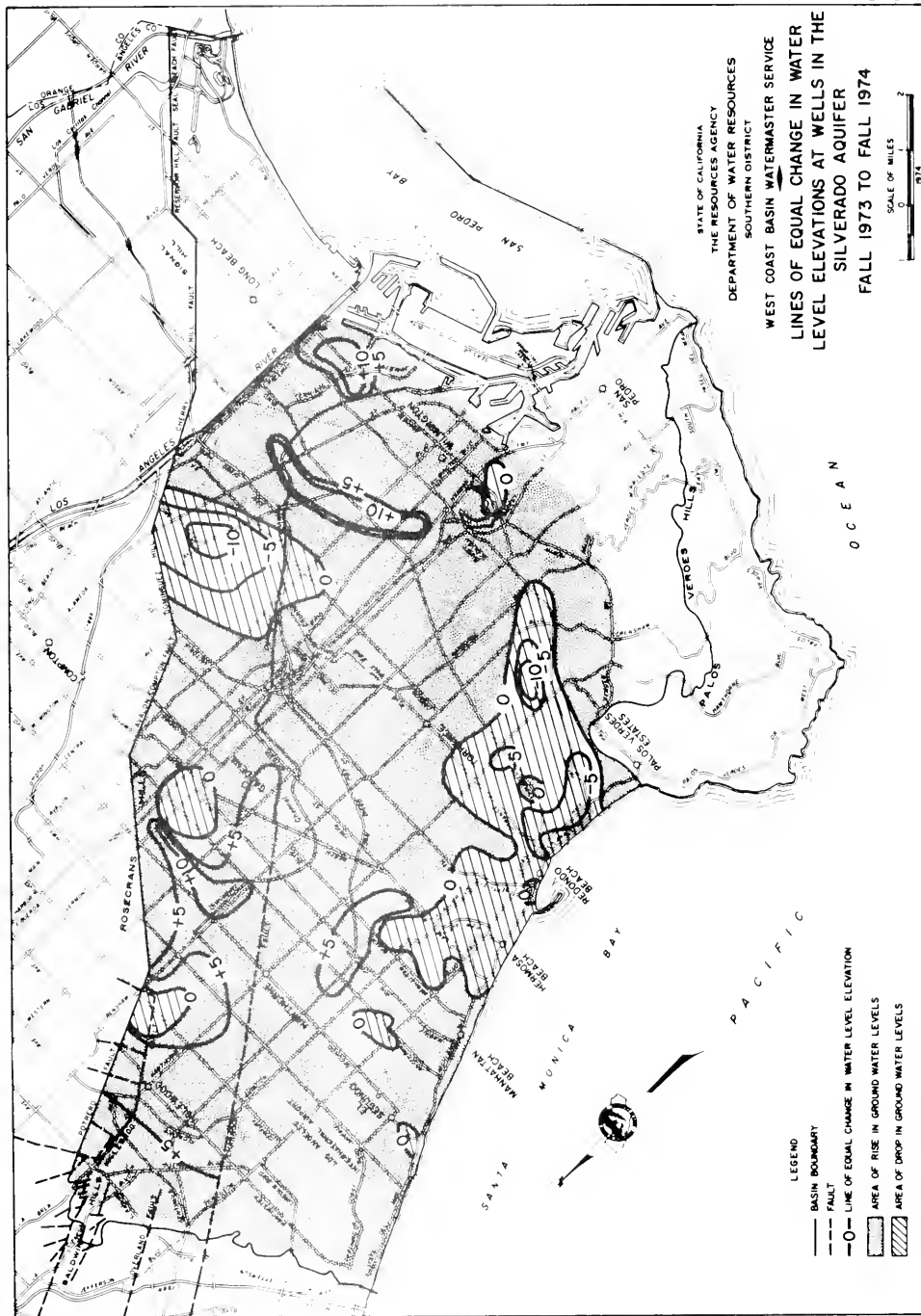
^{2/} Information provided by CWBWRD.

Water Quality

Providing good quality ground water for the West Coast Basin depends on a great extent on the use of correct water-well construction methods. Some aquifers in the Basin are hydraulically connected to the ocean and occasionally sea water moves from them into adjacent freshwater aquifers. If a well being drilled without proper casing techniques passes through both saline and freshwater aquifers, the sea water can move from the polluted aquifer to the unpolluted one.







WATER LEVEL ELEVATION AT WELLS IN FEET - USGS DATUM

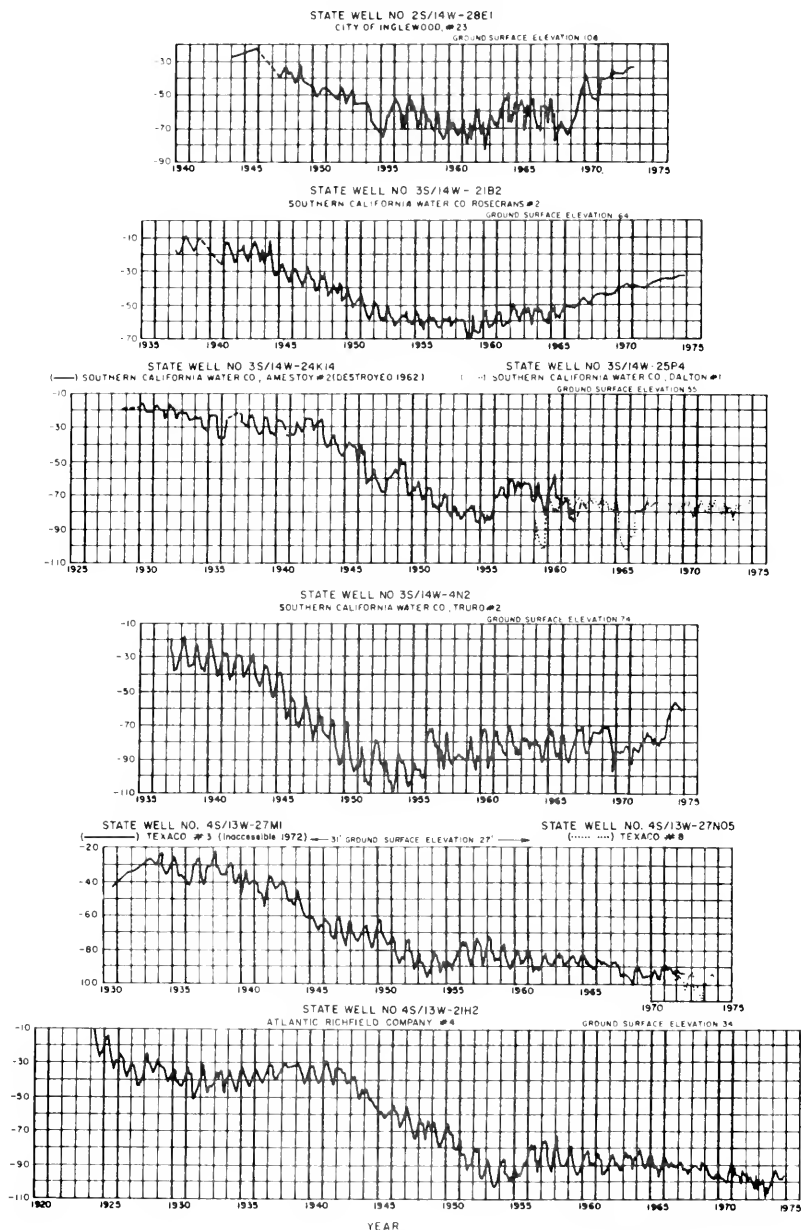
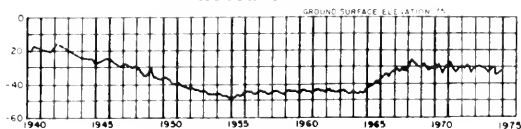


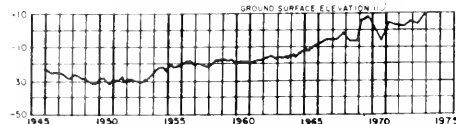
Figure 5- FLUCTUATIONS OF WATER LEVEL ELEVATIONS AT WELLS
IN THE SILVERADO AQUIFER

WATER LEVEL ELEVATION AT WELLS IN FEET - USGS DATUM

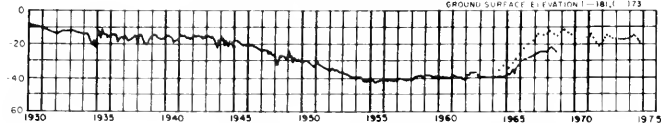
MERGED GARDENA, LYNWOOD AND SILVERADO AQUIFERS
STATE WELL NO 45/14W-3L3
MOBILE OIL CO #3



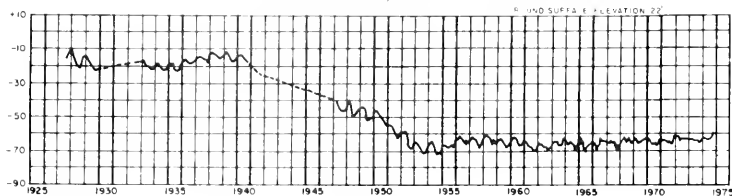
MERGED LYNWOOD AND SILVERADO AQUIFERS
STATE WELL NO 35/15W-12B1
CITY OF EL SEGUNDO #10



STATE WELL NO 45/14W-22D1 STATE WELL NO 45/14W-21L2
(---) STANDARD OIL CO, MARBLE FEE #1 (---) STORRANCE UNIT, SCHOOL DISTRICT WELL

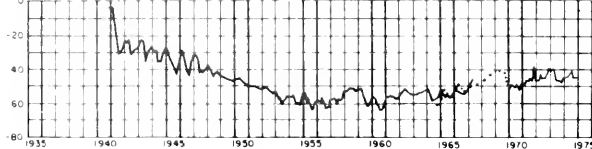


STATE WELL NO 45/13W-31E4
CITY OF LOS ANGELES DWP, LOMITA #4



LYNWOOD AQUIFER

STATE WELL NO 35/14W-23L1 STATE WELL NO 35/14W-22K1
(---) SOUTHERN CALIFORNIA WATER CO, DUNTON WELL (---) PARK WATER CO #4/5C
DESTROYED 10/19/67 GROUND SURFACE ELEVATIONS 152.1 - 49



STATE WELL NO 45/13W-30K1
CITY OF LOS ANGELES DWP, LOMITA #7

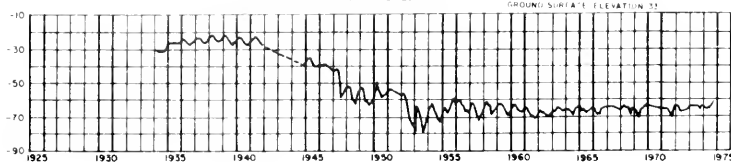


Figure 6— FLUCTUATIONS OF WATER LEVEL ELEVATIONS AT WELLS
IN THE MERGED PHASES OF SILVERADO AND LYNWOOD AQUIFERS

WATER LEVEL ELEVATION AT WELLS IN FEET — USGS DATUM

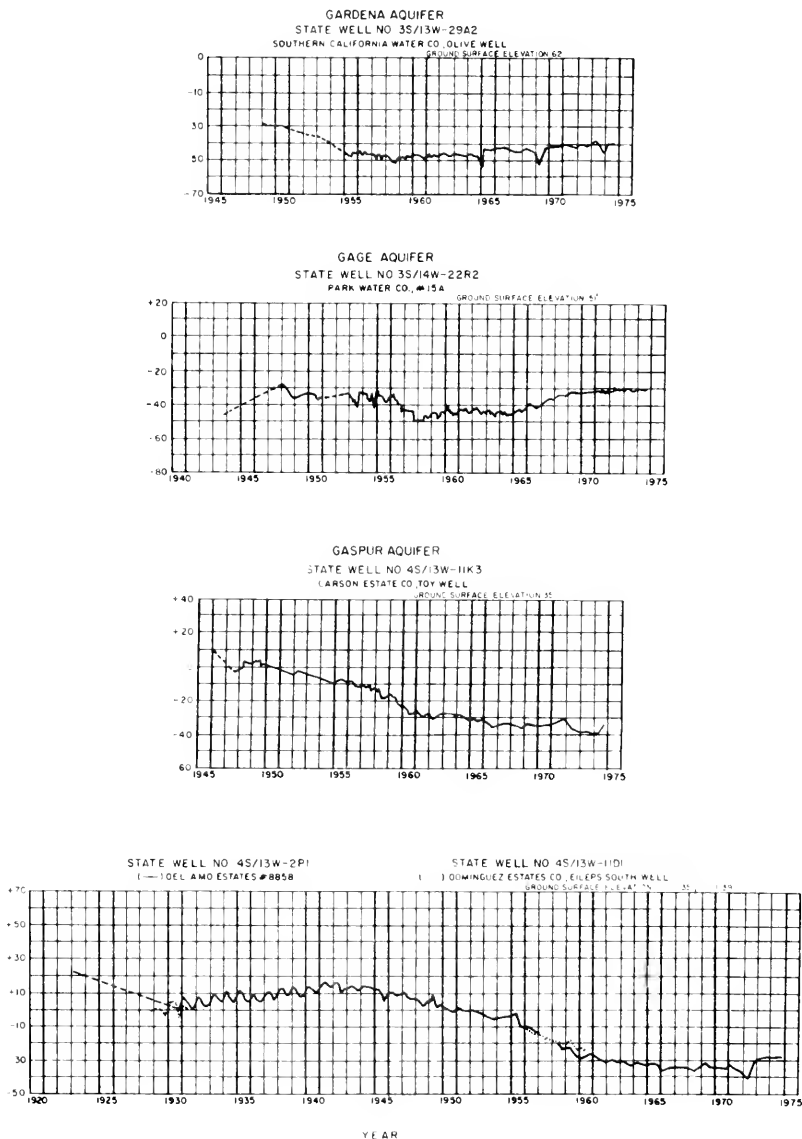


Figure 7— FLUCTUATIONS OF WATER LEVEL ELEVATIONS AT WELLS
IN THE UPPER PLEISTOCENE AND RECENT AQUIFERS

To prevent such occurrences, DWR conducted an intensive investigation that resulted in recommended standards for water-well construction and destruction.^{1/} Adoption hearings on these standards were held in 1969 by the California Regional Water Quality Control Board, Los Angeles Region, (CRWQCBLA) and all local agencies and municipalities in the West Coast Basin have adopted them.

Solid waste is another factor that can affect ground water quality in the Basin. A shortage of disposal sites for this material has become increasingly critical. Abandoned gravel pits are particularly sought after. One of these is the Chandler Pits, just south of the Pacific Coast Highway. Several applications for permission to use this site have been refused because of the potential degradation of ground water.

CWBWRD, the West Basin Water Association, and others have vigorously opposed these applications. One applicant had asked to deposit decomposable solid waste in the pits.

In December 1968, CRWQCBLA reaffirmed its restriction of deposition of inert material. The matter was appealed, but during the 1970-71 water year the appeal was dropped. During the ensuing water years, no additional requests to use the pits for solid waste disposal were received.

^{1/} DWR Bulletin No. 74 "Water Well Standards; State of California", February 1968; and DWR Bulletin No. 107, "Recommended Well Construction and Sealing Standards for Protection of Ground Water Quality in West Coast Basin Los Angeles County", August 1962.

Basinwide Water Quality Monitoring

In compliance with the Beilenson Health Act, the West Basin Water Association has initiated a basin-wide plan to monitor the quality of water being pumped for domestic use.

Title 17 of the California Administrative Code, more particularly Part 1, Chapter 5, Subchapter 1, defines the limits of the trace elements and pollutants acceptable for water for domestic use. Sixteen wells were selected for monitoring: two each belonging to the City of Los Angeles and the California Water Service Company; 12 under a cooperative plan sponsored by the cities of Manhattan Beach, El Segundo, Hawthorne, Inglewood, Torrance, the Southern California Water Company and Dominguez Water Corporation, and the Los Angeles County Water Works District No. 22. Laboratory work is performed by the Clinical Laboratories of San Bernardino.

Construction Projects Affecting Water Supply

Three major projects have significantly affected the water supply of the West Coast Basin: The State Water Project, MWD's distribution system, and the second barrel of the Owens River-Mono Basin Aqueduct of the City of Los Angeles.

They have been completed and are providing service to the Basin. MWD's Sepulveda Feeder began deliveries on December 1, 1972, and is the main source of northern California water for the Basin. State Water Project water formed approximately 20 percent of the total water imported during 1973-74.



III. WATER USE

In the 1973-74 water year, the West Coast Basin provided approximately 295,000 acre-feet, 1,000 acre-feet less than in the previous year. Ground water extractions were approximately 5,500 acre-feet less and imported water was 4,000 acre-feet greater than the previous year's.

Population increase in the West Coast Basin has caused water demand to increase substantially since 1943. Prior to 1955, ground water met most of the demand. However, when the Judgment reduced extractions to about 60,000 acre-feet annually, imported water became the largest component of the Basin's water supply.

Figure 8 depicts the monthly relationship between rainfall, ground water extractions, and imported supplies. Figure 9 illustrates annual ground water extractions and total water use from 1933 to the present. Much of the increase since the 1963-64 water year may be attributed to the West Coast Basin barrier project. Water demand for that purpose has leveled off since completion of the project in 1968.

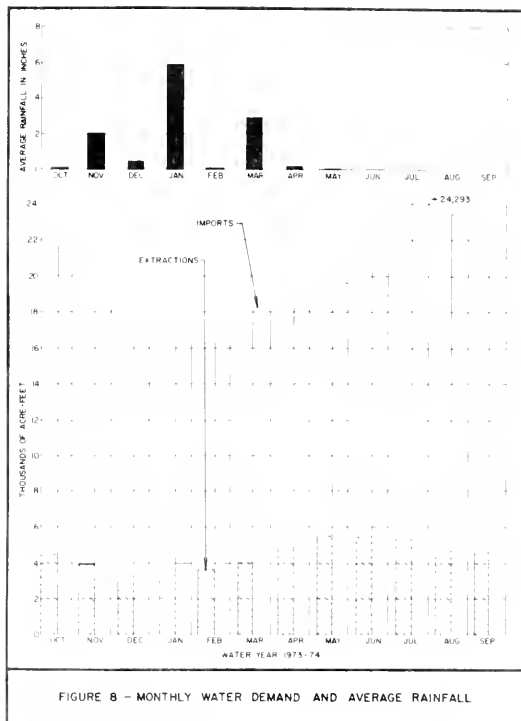


FIGURE 8 - MONTHLY WATER DEMAND AND AVERAGE RAINFALL

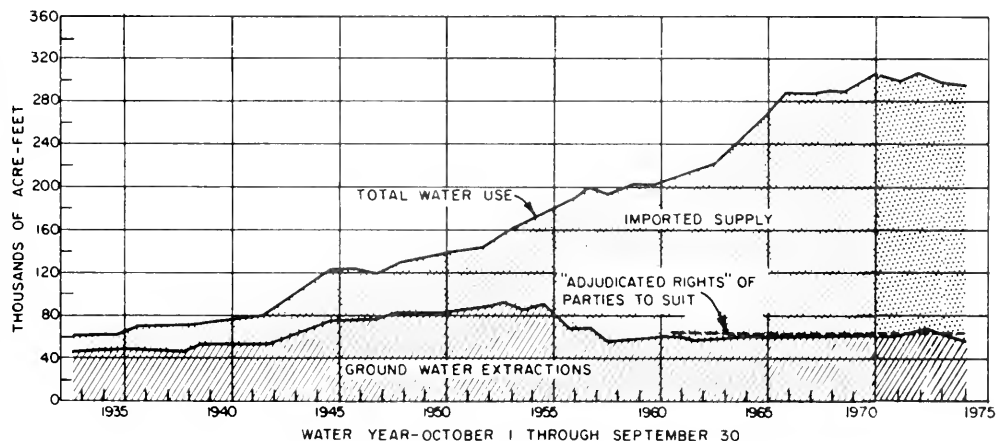


FIGURE 9-HISTORICAL GROUND WATER EXTRACTIONS AND TOTAL WATER USE BY PARTIES

TABLE 4. SUMMARY OF WATER ACCOUNTS OF PARTIES, 1973-74 WATER YEAR
(in acre-feet)

PARTY	(1) ADJUDICATED RIGHT	(2) ALLOWABLE CARRYOVER FROM 72-73	(3) EXCH. WATER PURCH. (+) OR SOLD (-)	(4) NET LEASES (±)	(5) ALLOWABLE EXTRACT (IN (1)+(2)+ (3)+(-4))	(6) AMOUNT PUMPED	(7) BALANCE (5)-(6)	(8) ALLOWABLE CARRYOVER INTO 74-75
A R C NURSERY, INC	24,110 ¹	+2,78	+15,00		41,89	18,29	22,59	+2,41
AMERICAN PLANT GROWERS INC	10,00	+2,00	+25,00		37,00	36,81	+1,81	+1,81
AMER FANCY FOLI INC	2,00	+2,00		+12,10	16,10	0,00	16,10	+2,00
ATLANTIC RICHFIELD INC	4,428,00	+315,29		+6,530,00	11,273,29	11,125,33	143,96	+143,96
AUTOMATION INDUSTRIES INC-HARRIS TUNE	0,70	+2,00		2,70	0,00	0,00	2,70	+2,00
BARCLAY HOLLANDER CURCI INC	3,33	+2,00			5,33	0,00	5,33	+2,00
CBS INC	0,00	+0,00		-9,50	0,00	0,00	0,00	+0,00
CALIFORNIA WATER SERVICE COMPANY	4,070,00	+107,10		-999,00 ²	3,778,10	2,189,68	1,708,42	+107,10
CARSON-WANDONA COMPANY	180,00	+7,00		-170,00	0,00	0,00	0,00	+0,00
CHANDLER PALOS VERDES SAND-GR CORP	290,20	-40,22	+140,00		413,98	395,47	18,51	+18,51
CURTIS, OWEN W	0,36	+1,80			2,16	0,00	2,16	+2,00
DELANEY, GOLDA, ESTATE OF	4,10	+2,00		6,10	0,00	0,00	6,10	+2,00
DESEW ENTERPRISES	0,00	+4,00 ¹		4,00	0,00	0,00	4,00	+4,00
DOMINGUEZ WATER CORPORATION	10,150,65	-35,04		-196,50	9,929,11	9,398,74	530,37	+530,37
EL SEGUNDO, CITY OF	953,00	+35,33		-800,00	248,33	0,00	248,33	+55,10
ENGELMAN, JAKE	12,10	+0,00		-12,10	0,00	0,00	0,00	+0,00
ETCHEMENDY, CAROLINE, ESTATE OF	8,20	+0,00		-8,20	0,00	0,00	0,00	+0,00
FLETCHER OIL AND REFINING COMPANY	90,00	+0,00		90,00	91,53	7,67	7,67	+7,67
FUJIMOTO, SAMUEL R & RAYMOND S	20,00	+2,00		22,00	0,00	0,00	22,00	+2,00
FUTURA INDUSTRIES, INCORPORATED	44,40	+4,44			48,84	0,00	48,84	+4,44
GARRETT CORPORATION, THE	22,50	+2,25			24,75	0,58	24,17	+2,25
GILLINGHAM, FLORENCE W ET AL	2,40	+2,00			4,40	0,00	4,40	+2,00
GONZALES, FELIPE AND GARRIELA	36,30	+0,00		-36,30 ¹	0,00	0,00	0,00	+0,00
GRANT, JOHN, ESTATE OF	5,00	+5,00		-5,00	5,00	0,00	5,00	+5,00
HEATHOM, CITY OF	1,682,00	+0,65			1,682,65	1,670,21	12,44	+12,44
HILLIARD MEMORIAL PARK	20,20	+2,92		+5,00	31,12	54,67	36,25	+2,92
HOLLYWOOD TURF CLUB	282,00	+24,20			310,20	229,38	80,82	+24,20
INDUSTRIAL CHEM CO INC	255,00	+25,50		-255,00	25,50	0,00	25,50	+25,50
INGLEWOOD, CITY OF	4,465,64 ²	+42,21		-1,140,00	3,887,72	162,98 ²	3,524,72	+440,55
INDUS. KENICHI	5,40	+2,00	+14,00		25,40	18,19	7,21	+2,00
JOHN-MANVILLE PRODUCTS CORP	881,00	+49,55			929,55	883,45	246,10	+88,10
LAGELOF, STANLEY C	3,50	+0,00	-3,50		0,00	0,00	0,00	+0,00
LEWIS, ALFRED	0,70	+2,00		2,70	0,00	0,00	2,70	+2,00
LEUTINGER, FRANK, ESTATE OF	1,40	+2,00		3,40	0,00	0,00	3,40	+2,00
LONG BEACH, CITY OF	0,70	+2,00		2,70	0,00	0,00	2,70	+2,00
LOPPE, FRANK	3,70	+2,00			5,70	0,00	5,70	+2,00
LOS ANGELES, CITY OF	1,507,00	-15,77		+240,00 ²	1,746,23	1,621,68	124,55	+124,55
LOS ANGELES COUNTY ALONDRA PARK	6,70	+0,00			6,70	46,17 ²	-39,47	+0,00
LOS ANGELES COUNTY SANIT DIST NO 2	102,00	+2,71		104,71	104,20	1,50	1,50	+1,50
LOS ANGELES COUNTY WMS DIST NO 13	1,132,00	+1,20		-240,00 ²	1,137,20	0,00	1,137,20	+110,20
LOS ANGELES COUNTY WMS DIST NO 22	551,00	+55,10		606,10	0,00	606,10 ²	+55,10	+55,10
LOS ANGELES COUNTY WEST AVE GOLF	290,00	+29,00	-90,00		229,00	94,36	135,26	+29,00
LOYOLA MARYMOUNT UNIVERSITY	0,10	+0,00		-0,10	0,00	0,00	0,00	+0,00
MANHATTAN BEACH, CITY OF	1,111,12	+11,12		1,224,24	32	452,22	79,07	+113,12
MAYFLOWER NURSERIES	0,00	+2,22	+3,00		0,28	25,48	-24,70	+2,00
MC DONNELL OUGLAS, CORP	1,70	+2,00		3,70	0,02	3,68	2,00	+2,00
MOORE OIL CORPORATION	2,570,00	+8,74	+1,800,00	4,378,74	4,369,76	8,98	8,98	+8,98
MOORE, WY H AND KEN J	3,40	+2,00		5,40	0,00	5,40	2,00	+2,00
NORTHROP CORPORATION, AIRCRAFT DIV	38,15	+3,82		41,97	0,00	41,97	3,82	+3,82
NOTARY, KIMIKICH	7,00 ²	+3,43		41,00	41,00	45,98	-4,98	+4,55
OTANI, CHISATO	0,00	+0,00		+2,00	2,00	16,98	-9,98	+0,00
PACIFIC CREST CEMENTRY COMPANY	39,40	+3,94		43,34	46,12	2,78	2,78	+2,78
PALOS VERDES REGINA FARM	0,00	+3,25	+3,00	6,25	1,68	4,57	+1,68	+4,57
PAPA WATER COMPANY	140,00	+14,00	+145,00		321,00	265,72	55,28	+14,00
PHILLIPS PETROLEUM COMPANY	16,70	+16,70	-161,00		22,70	0,00	22,70	+16,70
REHOD, JOSEPHINE G	2,70	+0,00		-2,70	0,00	0,00	0,00	+0,00
ROCKWELL, MICHAEL L	0,10	+0,50		0,60	0,60	0,00	0,60	+0,60
ROLLING HILLS VISTAS	0,00	+0,00		+140,00	140,00	10,47	149,53	+2,00
SANTA CATHOLIC BISHOP OF L A	72,30	-5,98	+90,00		156,32	171,48	-15,16	+15,16
SANTA FE LAND IMPROVEMENT COMPANY	35,50	+0,00		-35,50	0,00	0,00	0,00	+0,00
SHEETS, ESTHER M	4,50	+2,00		7,50	0,04	7,46	2,00	+2,00
SHELL OIL COMPANY	4,510,00	+14,53		4,524,53	4,441,33	83,20	83,20	+83,20
SOUTHERN CALIFORNIA EDISON COMPANY	5,710	+5,71		5,71	8,41	7,40	0,99	+0,99
SOUTHERN CALIFORNIA WATER COMPANY	4,540,64	-175,91		4,372,73	4,333,80	-41,07	-41,07	+15,26
SPAWLETT'S DRINKING WATER CORP	142,60	+15,26		167,86	79,48	88,38		
STANDARD OIL OF CAL-WESTERN OPER INC	4,401,30	+4,40	-4,400,00	5,40	0,00	5,40		
STAUFFER CHEMICAL COMPANY	521,00	+17,70	+204,50	707,80	466,56	241,25	52,10	+52,10
SUNSHINE OIL COMPANY	2,40	+2,40		2,40	2,40	0,00	0,00	+0,00
TRACCO INCORPORATED	3,432,00	+46,53	+1,033,30 ²	4,511,83	3,665,01	1,266,82	466,53	+466,53
TORRANCE, CITY OF	3,880,73	-33,55		3,771,18	3,785,72	-14,54	-14,54	
UNION NURSERY INC	4,70	+1,08	+19,00	23,78	26,08	2,30	2,30	+2,30
UNION OIL COMPANY OF CALIFORNIA	2,670,00	+54,95		-1,050,00	1,674,95	894,88	784,07	+267,00
UNITED STATES STEEL CORPORATION	1,701,00	-49,97	-220,00	-1,620,00	1,162,03	1,170,27	-8,24	-8,24
WATSON LAND COMPANY	40,20	+0,00		-40,20	0,00	0,00	0,00	+0,00
WESBURN SCHOOL DISTRICT	8,20	+0,00		10,20	0,00	0,00	10,20	+2,00
ZEPHRA, MATTHEW T	0,00	+14,77 ²	+11,00		27,77	26,47	1,30	+1,30
TOTAL	44,448,25	+1,826,93	0,00	0,00	46,275,18	56,866,10	11,127,08	2,955,27

1. Table 1 of the application for water right shows water right entitlements.

2. Formerly owned by the advertising system, Inc., same change only.

3. Lease provided by California Water Right, Inc.

4. Entire amount is exchange pool water right.

5. Includes extraction by Ingham & Gilman.

6. Extraction by Los Angeles County, Alameda Park, Waterway Inc, N. A. 1, and C. and Western Avenue 2. If purpose have an interagency water right exchange whereby all water right held by the county and divided between agencies in proportion to their needs of water right.

7. Partly used for the 1st branch (and 2nd) for the 1st branch for development of area. See 1st in table.

Ground Water Extractions

The West Coast Basin Judgment limits the amount of ground water that each party can extract annually from the basin or release to the Exchange Pool for pumping by other parties. Table 4 summarizes each party's water account. The metered ground water production

from each active well in the Basin is listed by party in Appendix B, which shows the total ground water production reported by each party. Gross water supply of all parties, which appears in Table 5, includes all sources of water necessary to provide each party's total water requirement for its service area. The service areas are shown on Plates 5 and 6 (Pages 30-33).

TABLE 5. GROSS WATER USE
(in acre-feet)

Party	: Total : :ground water: :extractions :	Purchased Supply		: Total Supply
		: Imported ^a /	: Within basin ^b /	
ABC Nursery, Incorporated	19.29			19.29
American Plant Growers, Inc.	38.81			38.81
Asahi Fancy Koi, Inc.	0.00			
Atlantic Richfield Company	11,129.33	1,446.86	c/	12,576.19
Automation Industries, Inc. - Harris Tube	0.00		c/	c/
Barclay Hollander Curci, Inc.	0.00			0.00
CBS, Inc.	0.00			0.00
California Water Service Co.	2,169.68	27,234.50		29,404.18
Carson-Madrone Company	0.00			0.00
Chandler's Palos Verdes Sand & Gravel Corporation	395.47			395.47
Curtis, Owen W.	0.00			0.00
Delaney, Golda, Estate of	0.00			0.00
Desser Enterprises	0.00			0.00
Dominguez Water Corporation	9,398.74	21,756.51 ^a		31,155.25
El Segundo, City of	0.00	19,248.10		19,248.10
Engelsma, Jake	0.00		d/	d/
Etchemendy, Caroline, Estate of	0.00		c/	c/
Fletcher Oil and Refining Company	41.53	131.39		222.92
Fujimoto, Samuel R. & Raymond S.	7.29			7.29
Futura Industries, Incorporated	0.00			0.00
Garrett Corporation, The	0.58			0.58
Gillingham, Florence R., et al	0.00		d/	d/
Gonzales, Felipe and Gabriela	0.00		c/	c/
Grant, John, Estate of	0.00			0.00
Hawthorne, City of	1,870.21	3,253.80		5,124.01
Hillside Memorial Park	54.87		23.71	78.58
Hollywood Turf Club	220.38		164.65	385.03
Industrial Chemical Division, Allied Chemical Corporation	0.00		780.94	780.94
Inglewood, City of	162.98	11,408.60 ^a		11,571.58
Inose, Kenichi	18.19		1.48	19.67
Johns-Manville Products Corp.	683.45		640.23	1,323.68
Lagerlof, Stanley C.	0.00			0.00
Lermans, Alfred	0.00			0.00
Leuzinger, Emma L.	0.00			0.00
Long Beach, City of	0.00	28,814.60 ^a	c/	28,814.60

TABLE 5. (Continued)
GROSS WATER USE
(in acre-feet)

Party	: Total :		Purchased Supply		Total Supply
	:ground water:	:extractions :	Imported ^{a/} :	:Within basin ^{b/} :	
Lopes, Frank	0.00				0.00
Los Angeles, City of	1,621.68		53,403.70 ^{h/}		55,025.38
Los Angeles County- Alondra Park	461.76			73.81	535.57
Sanitation District No. 2	106.20			168.32	274.52
Waterworks District No. 13	0.00		2,418.90		2,418.90
Waterworks District No. 22	0.00		1,354.30		1,354.30
Western Avenue Golf Course	94.36			87.60	181.96
Loyola Marymount University	0.00			216.75	216.75
Manhattan Beach, City of	452.25		5,356.90		5,809.15
Mayflower Nurseries	25.48				25.48
McDonnell Douglas Corporation	0.02			d/	0.02
Mobil Oil Corporation	4,369.76			3,097.40	7,467.16
Mori, Roy R. and Kenji	0.00				0.00
Northrop Corp., Aircraft Div.	0.00			d/	d/
Nozaki, Sumikichi	45.98				45.98
Otani, Chisato	34.98				34.98
Pacific Crest Cemetery Company	46.12			6.42	52.54
Palos Verdes Begonia Farm	1.66				1.66
Park Water Company	265.72				265.72
Phillips Petroleum Company	0.00			10.64	10.64
Rehor, Josephine P.	0.00			c/	c/
Rockwell, Michael L.	0.00				0.00
Rolling Hills Vista	10.47				10.47
Roman Catholic Archbishop of Los Angeles	171.48				171.48
Santa Fe Land Improvement Company	0.00			d/	d/
Sheets, Esther M.	0.04				0.04
Shell Oil Company	4,461.33			31,271.74	35,733.07
Southern California Edison Co.	7.80			0.28	8.08
Southern California Water Co.	6,433.80		23,140.40 ^{d/}	1.25	29,575.45
Sparkletts Drinking Water Corp.	79.48				79.48
Standard Oil Company of California	0.00			12,941.00	12,941.00
Stauffer Chemical Company	466.55			105.64	572.19
Superior Oil Company	0.00				0.00
Texaco, Incorporated	3,645.01			1,195.46	4,840.47
Torrance, City of	3,785.72		19,171.24		22,956.96
Union Nursery, Incorporated	26.08				26.08
Union Oil Company of California	894.88			6,423.76	7,318.64
United States Steel Corp.	1,170.27			204.16	1,374.43
Watson Land Company	0.00			120.03	120.03
Wiseburn School District	0.00			31.59	31.59
Zeigler, Maxwell T.	26.42				26.42

- a/ Imports from Metropolitan Water District or member agency unless otherwise noted.
b/ Purchased from municipal, mutual, or public utility water agency.
c/ Domestic use with consumption less than one acre-foot purchased from public utility.
d/ Information not available.
e/ Includes 2,810 acre-feet of Central Basin ground water.
f/ Of this amount 26.7% is exported to Central Basin.
g/ Includes Central Basin ground water.
h/ Imported from Owens River-Mono Basin.
i/ Includes 1,535 acre-feet of Central Basin ground water.

Extractions by Nonparties and Parties with No Adjudicated Rights

Several nonparties and parties with zero Adjudicated Rights pump water from the West Coast Basin. Parties with zero water rights have abided by the Judgment by offsetting their pumping with Exchange Pool purchases. Their extractions are reported to CWBWRD (Table 6).

TABLE 6. EXTRACTIONS BY NONPARTIES AND PARTIES WITH ZERO ADJUDICATED RIGHTS

Pumper	State Well No.	Amount pumped (in acre-feet)
Carson Auto, Inc.	48/14W-19K5	0.04
Cost, Edward	38/14W-3001	0.3 [*]
Mayflower Nurseries*	38/14W-25K6	24.50
"	38/13W-31B7	<u>0.08</u>
		25.48
McFadden, John K.	38/14W-19K2	0.68
Owani, Chiseto*	38/14W-34H4	18.79
"	38/14W-33H4	<u>17.19</u>
		34.98
Palos Verdes Begonia Farm*	48/14W-21N1	1.14
Rolling Hills Vista**	48/14W-28J01	10.47
Three Star Nursery	38/14W-33R3	7.84
Zeigler, Maxwell T.*	38/13W-31D1	<u>21.42</u>
	TOTAL	107.93

* Parties to the Judgment, shown in Table 4.

** See Footnote G on Table 4.

Imported Supplies

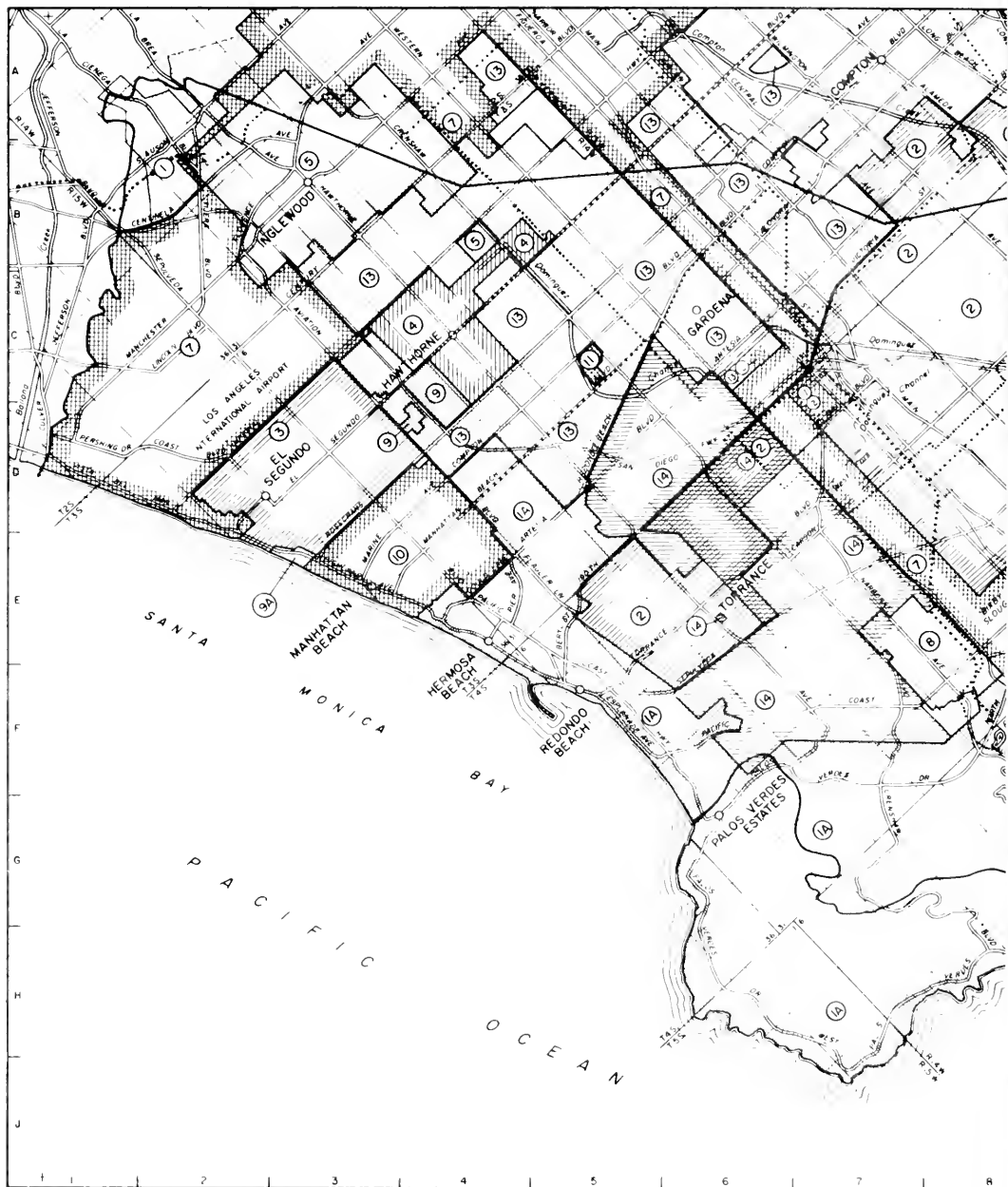
Large quantities of water are imported to the West Coast Basin from other sources. Water from the Colorado River

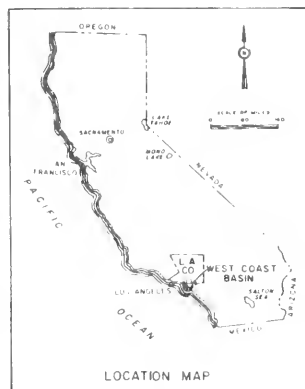
and State Water Project arrives through facilities of MWD for distribution by WBMWD and the cities of Long Beach, Los Angeles, and Torrance. Los Angeles also imports water from the Owens River-Mono Basin in eastern central California. The Dominguez Water Corporation, Long Beach, and the Southern California Water Company import ground water from the Central Basin to supplement other supplies.

All imports to the West Coast Basin, with the exception of imports by two nonparties, are listed in Table 7. The California-American Water Company imported 2,684 acre-feet and the City of Signal Hill imported 828 acre-feet. Both are nonparties.

Exported Supplies

Exports from the West Coast Basin are small. The City of Inglewood exported 3,076 acre-feet of ground water, Colorado River and State Water Project water to the Central Basin. The City of Los Angeles exported 1,357 acre-feet and the California Water Service Company exported 7,624 acre-feet of ground water, Colorado River, and State Water Project water to portions of their service areas lying west of the Palos Verdes Hills.




 LIST OF MUNICIPAL, MUTUAL AND PUBLIC UTILITY
WATER SERVICE AGENCIES

Agency Number	Entity	Location (see plate)
1	California - American Water Company (Nonparty)	B 2
1 A	California Water Service Company	1, 5, 6, 8
2	Domestic Water Corporation	C 8
3	El Segundo City of	C 3
4	Hawthorne City of	F 4
5	Long Beach City of	F 3
6	Long Beach City of	F 11
7	Los Angeles City of	E 9
8	Los Angeles County Waterworks District No. 1	E 6
9	Los Angeles County Waterworks District No. 2	F 4
9 A	Los Angeles County Waterworks District No. 2 - Nonparty	F 1
10	Manhattan Beach City of	E 4
11	Park Water Company	F 5
12	Signal Hill City of (Nonparty)	B 11
13	Southern California Water Company	B 5
14	Torrance City of	E 7

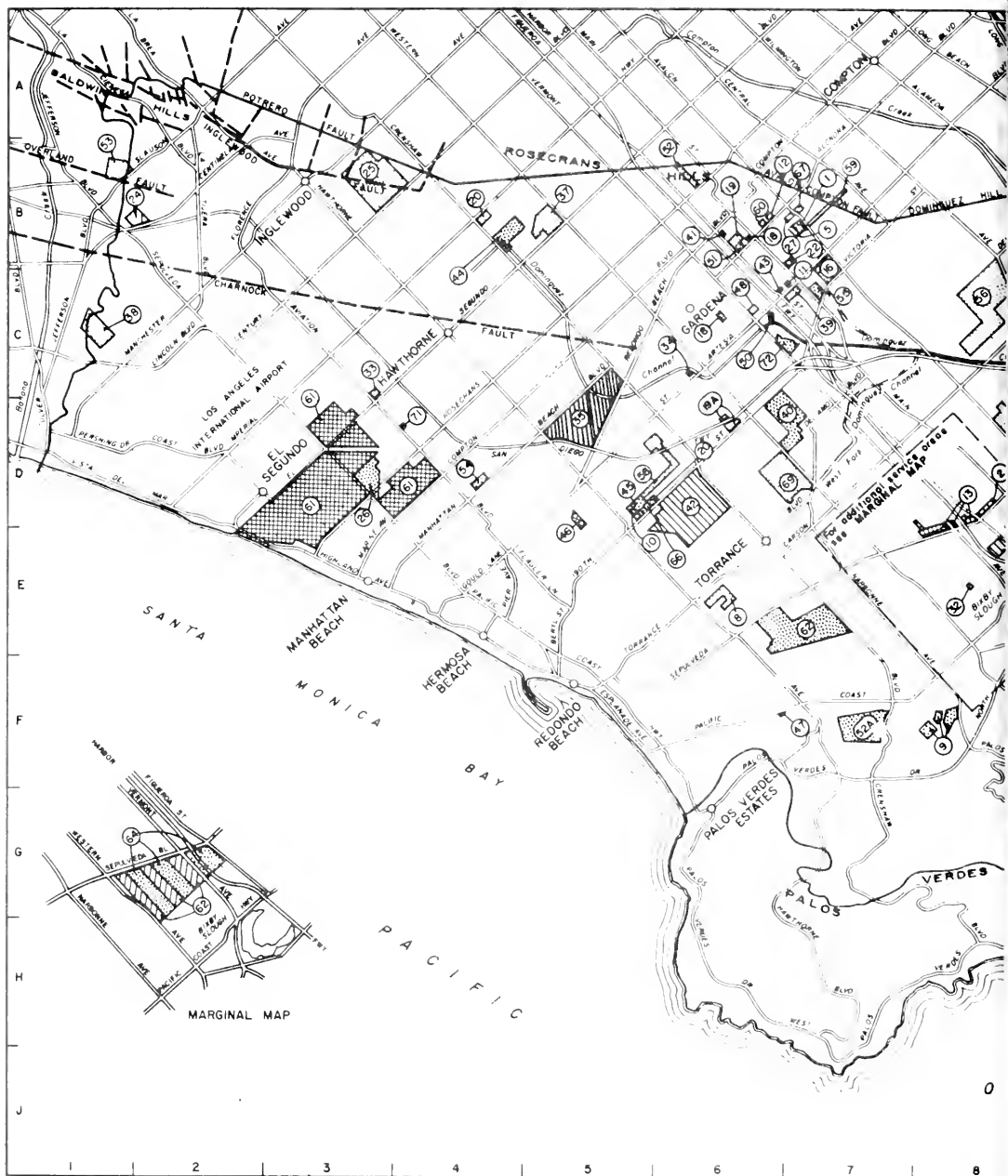
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT
WEST COAST BASIN WATERMASTER SERVICE

WATER SERVICE AREAS OF
MUNICIPAL, MUTUAL AND PUBLIC UTILITY
WATER SERVICE AGENCIES
SEPTEMBER 1974

LEGEND

..... DISTRIBUTION SYSTEM OF THE METROPOLITAN
WATER DISTRICT OF SOUTHERN CALIFORNIA
—— BASIN BOUNDARY

SCALE OF MILES
0 1 2
1974





INDEX

WATER SERVICE AREA OF INDIVIDUAL PRODUCERS

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT
WEST COAST BASIN WATERMASTER SERVICE

WATER SERVICE AREAS OF
INDIVIDUAL PRODUCERS
SEPTEMBER 1974

D. I. F. H. M. I. F. S.

TABLE 7. IMPORTED WATER

Source	Imported	Quantity (in acre-feet)	
		1972-73	1973-74
Central Basin Ground Water	Dominguez Water Corp.	3,597	2,810
	Southern California Water Company	<u>1,342</u>	<u>1,535</u>
		4,939	4,345
Central Basin Ground Water, Colorado River, and State Water Project	City of Long Beach	28,965 ^{a/}	28,815
Colorado River and State Water Project	City of Torrance	20,173 ^{b/}	19,171 ^{c/}
Colorado River	West Basin Municipal Water District		
	California Water Service Company	11,327	17,115
	Dominguez Water Corporation	18,708	18,709
	El Segundo, City of	18,416	16,529
	Hawthorne, City of	694	1,734
	Inglewood, City of	1,884	272
	L. A. County Waterworks		
	Dist. No. 13	1,594	1,614
	L. A. County Waterworks		
	Dist. No. 22	1,262	1,354
	Manhattan Beach, City of	1,139	170
	Southern California Water Co.	7,959	5,109
	L. A. County Flood Control Dist.	<u>35,147^{d/}</u>	<u>34,817^{d/}</u>
		98,130	97,423
State Water Project	California Water Service Company	14,753	10,119
	Dominguez Water Corporation	1,183	237
	El Segundo, City of	1,004	2,719
	Hawthorne, City of	2,606	1,520
	Inglewood, City of	6,793	11,137
	L. A. County Waterworks		
	Dist. No. 13	826	805
	L. A. County Waterworks		
	Dist. No. 22	24	--
	Manhattan Beach, City of	3,941	5,187
	Southern California Water Company	13,633	16,497
	L. A. County Flood Control Dist.	<u>148^{d/}</u>	<u>552</u>
		44,911	48,773
Owens River-Mono Basin and Colorado River	Los Angeles, City of	<u>50,881</u>	<u>53,404</u>
TOTAL ALL SOURCES		247,999	251,931

^{a/} Includes 618 acre-feet from State Water Project
^{b/} Includes 326 acre-feet from State Water Project
^{c/} Includes 539.7 acre-feet from State Water Project
^{d/} Delivered for use in the West Coast Basin and Dominguez Gap Barrier Projects

IV. ADMINISTRATION OF THE JUDGMENT

The West Coast Basin Judgment was a logical step toward preserving the usefulness of a valuable resource. It provides a flexible tool to limit extractions and still allow a beneficial use of the ground water supply. However, the restrictions on extractions imposed by the Judgment force the parties to look for other supplies. Fortunately, these are available. If they were not, the rapidly increasing demand for water might literally bankrupt the Basin before other management techniques could be developed.

Exchange Pool

The Court and parties foresaw that adjudicating water rights and limiting total extractions within the Basin would not be satisfactory to all parties. As a consequence, Paragraph VII of the Judgment authorized a water Exchange Pool to provide additional water rights to members without supplementary water. Membership in the Exchange Pool is voluntary, and any party can join by filing an "Intention to be Bound by Paragraph VII of the Judgment"

TABLE 8. EXCHANGE POOL OFFERS

Party	Amount (in acre-feet)		Price (per acre-foot)	Charge for exchange water
	Offered	Retained		
Mandatory Offers				
L. A. County - Western Avenue Golf Course	90.00	90.00	\$ 20.00	\$ 1,800.00
Phillips Petroleum Company	161.00	161.00	22.00	3,542.00
U.S. Steel Corporation	191.00	229.00	15.00	8,015.00
Shell Oil Company	432.00	0	15.00	0
Johns-Manville Products Corporation	91.00	0	72.00	0
Industrial Chemical Division, Allied Chemical Corporation	305.00	0	87.12	0
TOTALS	1,470.00	480.00		\$13,477.00
Voluntary Offers				
California Water Service Company	1,000.00	0	\$ 48.00	
Garrett Corporation, The	24.75	0	20.00	
Gillins, Florence R.	4.00	0	20.00	
Standard Oil Company of California	4.00	0	123.00 ^a	
Wheatburn School District	8.20	0	20.00	
TOTALS	1,041.95	0		

^a Total assuming all of the offered water was sold.

^a/ Cost assuming all of the offered water was sold.

with the Watermaster and the Court. Recipients of exchange water may pump the amounts released to them in addition to their Adjudicated Right. Releases are limited by the Judgment. Tables 8 and 9 summarize 1973-74 Exchange Pool transactions.

Once each July the Watermaster opens the Exchange Pool to permit the inter-member exchange of water rights. The Pool is in operation when the Watermaster asks each member to estimate his water requirement and supply for the next water year. If a member has supplemental water in addition to his Adjudicated Right and if his total supply exceeds his estimated requirement, he must make a Mandatory Offer to lease a portion of his pumping right equal to the difference between his Adjudicated Right and half his estimated requirement. Under no circumstance, however, can the Mandatory Offer and the estimated requirement together exceed the total supply. This limits the Mandatory Offer to an amount which can be replaced with supplemental water.

Another type of offer is called the Voluntary Offer. Any member may volun-

TABLE 9 EXCHANGE POOL REQUESTS

Party	Amount of water :		Cost of exchange water ^{a/}
	received	(in acre-feet) :	
ABC Nursery, Incorporated	15.00		\$ 415.96
American Plant Growers, Inc.	25.00		693.26
Chandler's Palos Verdes Sand and Gravel Corporation	160.00		4,436.87
Inose, Kenichi	16.00		443.69
Mayflower Nurseries	3.00		83.19
Palos Verdes Bezonia Farm	3.00		83.19
Park Water Company	145.00		4,020.92
Roman Catholic Archbishop of Los Angeles	90.00		2,405.74
Union Nursery, Incorporated	18.00		490.15
Zierler, Maxwell T.	11.00		305.03
TOTAL	486.00		\$ 13,477.00

^a/ Cost at \$27.7304 per acre-foot.

tarily offer pumping rights to the Exchange Pool if his water supply exceeds his estimated requirement and he has no supplemental supply. However, the Watermaster must allocate all Mandatory Offers before using the Voluntary Offers. Voluntary Offers have not been used for several years.

The charge for a Mandatory Offer cannot exceed the cost per acre-foot of replacement water; the charge for a Voluntary Offer cannot exceed the price per acre-foot charged by the West Basin Municipal Water District for imported water. The Watermaster determines the amount of water needed and computes the average price to be paid.

If a member's estimated water requirement exceeds his total water right, including leases, and he has no supplemental supply, the difference may be requested from the Exchange Pool. The cost per acre-foot is the weighted average price per acre-foot of all offers required to meet requests.

Transfers of Adjudicated Rights

The West Coast Basin Exchange Pool is not the only method of obtaining additional pumping rights. Each year there are several lease and sale transactions between parties. Table 10 lists all leases, sales, parties, and amounts involved. Appendix A contains a copy of the document substantiating each transfer.

Appendix A also contains samples of recommended lease and sale agreements. Some documents received by the Watermaster are unnecessarily complex. The Watermaster recommends that documents be prepared on 8-1/2 x 11-inch paper. Any necessary additions to the recommended agreement may be attached to another page. You need not use these sample documents, but they are sufficient for most purposes.

In leasing, buying, or selling water rights, parties should be specific as to the type being exchanged, i.e., Adjudicated Right. All leases should be entered into on the basis of Adjudicated Right and should specify both amount of Adjudicated Right, to the nearest whole acre-foot, and period of lease. All water right leases should be made on a water year basis, i.e., October 1 through September 30 of the following year, never on a fiscal year basis.

The "General Information, Policies and Procedures" of the Watermaster Service in the West Coast Basin contains the following requirement:

"In order that a water right lease be in force (applicable) during a particular water year, it must have been executed by the parties involved before or prior to September 1 of the water year in question. In addition the executed water right lease document must be filed with the Watermaster no later than August 31 or postmarked August 31 of the year in question. Any otherwise valid agreement not filed with the Watermaster prior to September 1 of the water year in question will be void and of no force or effect for the transfer of water rights."

Overextractions

Each year some parties extract more ground water from the West Coast Basin than they are entitled to. The overextractions are usually small, occurring within the tolerance set by the Judgment. The Judgment allows each party to overextract by 2 acre-feet, or by 10 percent of its Adjudicated Right, whichever is larger, on the premise that the overextraction will be eliminated during the following year.

Most overextractions are the result of an unexpected increase in water

TABLE 10. TRANSFERS OF ADJUDICATED RIGHTS

PARTY	TRANSACTION AND AMOUNT IN ACRE-FEET			PARTY
A R C NURSERY, INC	PURCHASED	2.00	FROM	UNITED CALIFORNIA BANK
ASAHI FANCY KOI INCORPORATED	LEASED	12.10	FROM	ENGELSMAN, JAKE
ATLANTIC RICHFIELD COMPANY	LEASED	1,500.00	FROM	DOMINGUEZ WATER CORPORATION
ATLANTIC RICHFIELD COMPANY	LEASED	375.00	TO	DOMINGUEZ WATER CORPORATION
ATLANTIC RICHFIELD COMPANY	LEASED	255.00	FROM	INDUSTRIAL CHEMICAL DIVISION
ATLANTIC RICHFIELD COMPANY	LEASED	1,000.00	FROM	INGLEWOOD, CITY OF
ATLANTIC RICHFIELD COMPANY	LEASED	3,100.00	FROM	STANDARD OIL COMPANY OF CALIF
ATLANTIC RICHFIELD COMPANY	LEASED	1,050.00	FROM	UNION OIL COMPANY OF CALIF
CALIFORNIA WATER SERVICE CO	LEASED	999.00*	TO	TEXACO INCORPORATED
CARSON-MADRONA COMPANY	LEASED	104.00	TO	DOMINGUEZ WATER CORPORATION
CHANDLER PALOS VERDES SAND AND GRAVEL CORPORATION	PURCHASED	184.00	FROM	TODDANCE SAND AND GRAVEL CORP
COLUMBIA BROADCASTING SYSTEM INCORPORATED (Now CBS INC)	LEASED	9.50	TO	DOMINGUEZ WATER CORPORATION
DOMINGUEZ WATER CORPORATION	LEASED	1,500.00	TO	ATLANTIC RICHFIELD COMPANY
DOMINGUEZ WATER CORPORATION	LEASED	375.00	FROM	ATLANTIC RICHFIELD COMPANY
DOMINGUEZ WATER CORPORATION	LEASED	104.00	FROM	CARSON-MADRONA COMPANY
DOMINGUEZ WATER CORPORATION	LEASED	9.50	FROM	COLUMBIA BROADCASTING SYSTEM INCORPORATED (Now CBS INC)
DOMINGUEZ WATER CORPORATION	LEASED	8.20	FROM	ETCHEMENDY, CAROLINE, EST OF
DOMINGUEZ WATER CORPORATION	LEASED	3.50	FROM	LAGERLOF, STANLEY C
DOMINGUEZ WATER CORPORATION	LEASED	48.10	FROM	LOYOLA MARYMOUNT UNIVERSITY
DOMINGUEZ WATER CORPORATION	LEASED	145.50	FROM	PICO COUNTY WATER DISTRICT
DOMINGUEZ WATER CORPORATION	LEASED	500.00	FROM	PICO COUNTY WATER DISTRICT
DOMINGUEZ WATER CORPORATION	LEASED	34.50	FROM	SANTA FE LAND IMPROVEMENT CO
DOMINGUEZ WATER CORPORATION	LEASED	80.20	FROM	WATSON LAND COMPANY
EL SEGUNDO, CITY OF	LEASED	300.00	TO	MORIL OIL CORPORATION
EL SEGUNDO, CITY OF	LEASED	500.00	TO	PICO COUNTY WATER DISTRICT
ENGELSMAN, JAKE	LEASED	12.10	TO	ASAHI FANCY KOI INCORPORATED
ETCHEMENDY, CAROLINE, EST OF	LEASED	8.20	TO	DOMINGUEZ WATER CORPORATION
GEORGIA-PACIFIC CORPORATION	SOID	3.40	TO	INGLEWOOD, CITY OF
GONZALES, FELIPE AND GABRIELA	LEASED	34.30*	TO	TEXACO INCORPORATED
GRANT, JOHN, ESTATE OF	LEASED	59.00	TO	HILLSIDE MEMORIAL PARK
HILLSIDE MEMORIAL PARK	LEASED	59.00	FROM	GRANT, JOHN, ESTATE OF
INDUSTRIAL CHEMICAL DIVISION	LEASED	255.00	TO	ATLANTIC RICHFIELD COMPANY
INGLEWOOD, CITY OF	LEASED	1,000.00	TO	ATLANTIC RICHFIELD COMPANY
INGLEWOOD, CITY OF	PURCHASED	3.40	FROM	GEORGIA-PACIFIC CORPORATION
INGLEWOOD, CITY OF	LEASED	140.00	TO	ROLLING HILLS VISTA
INOSE, KENICHI	LEASED	2.20	FROM	REHOW, JOSEPHINE P
LAGERLOF, STANLEY C	LEASED	3.50	TO	DOMINGUEZ WATER CORPORATION
LOS ANGELES, CITY OF	LEASED	250.00*	FROM	LOS ANGELES CO WWS DIST NO 1
LOS ANGELES CO WWS DIST NO 13	LEASED	250.00*	TO	LOS ANGELES, CITY OF
LOYOLA MARYMOUNT UNIVERSITY	LEASED	48.10	TO	DOMINGUEZ WATER CORPORATION
MORIL OIL CORPORATION	LEASED	300.00	FROM	EL SEGUNDO, CITY OF
MORIL OIL CORPORATION	LEASED	1,500.00	FROM	STANDARD OIL COMPANY OF CALIF
NOZAKI, SUMIKICHI	LEASED	31.00	FROM	SOUTHERN CALIFORNIA PRISON CO
NOZAKI, SUMIKICHI	PURCHASED	5.00	FROM	UNITED CALIFORNIA BANK
OTANI, CHISATO	LEASED	25.00	FROM	SOUTHERN CALIFORNIA PRISON CO
PICO COUNTY WATER DISTRICT	LEASED	145.50	TO	DOMINGUEZ WATER CORPORATION
PICO COUNTY WATER DISTRICT	LEASED	500.00	TO	DOMINGUEZ WATER CORPORATION
PICO COUNTY WATER DISTRICT	LEASED	500.00	FROM	EL SEGUNDO, CITY OF
PICO COUNTY WATER DISTRICT	LEASED	204.50	TO	STAMPER CHEMICAL COMPANY
PICO COUNTY WATER DISTRICT	LEASED	350.00	FROM	UNITED STATES STEEL CORP
REHOW, JOSEPHINE P	LEASED	2.20	TO	INOSE, KENICHI
ROLLING HILLS VISTA	LEASED	140.00	FROM	INGLEWOOD, CITY OF
SANTA FE LAND IMPROVEMENT CO	LEASED	34.50	TO	DOMINGUEZ WATER CORPORATION

TABLE 10. (Continued)
TRANSFERS OF ADJUDICATED RIGHTS

PARTY	TRANSACTION AND AMOUNT IN ACRE-FEET			PARTY
SOUTHERN CALIFORNIA EDISON CO	LEASED	71.00	TO	NOZAKI, SUMIKICHI
SOUTHERN CALIFORNIA EDISON CO	LEASED	25.00	TO	OTA, I. CHISATO
STANDARD OIL COMPANY OF CALIF	LEASED	3,100.00	TO	ATLANTIC RICHFIELD COMPANY
STANDARD OIL COMPANY OF CALIF	LEASED	1,500.00	TO	NORTH OIL CORPORATION
STAUFFER CHEMICAL COMPANY	LEASED	204.50	FROM	PICO COUNTY WATER DISTRICT
TEXACO INCORPORATED	LEASED	999.00*	FROM	CALIFORNIA WATER SERVICE CO
TEXACO INCORPORATED	LEASED	34.30*	FROM	GONZALES, FELIPE AND GABRIELA
TORRANCE SAND AND GRAVEL CORP	SOLO	184.00	TO	CHANDLER PALUS VERDES SAND AND GRAVEL CORPORATION
UNION OIL COMPANY OF CALIF	LEASED	1,050.00	TO	ATLANTIC RICHFIELD COMPANY
UNITED CALIFORNIA BANK	SOLD	2.00	TO	A R C NURSERY, INC
UNITED CALIFORNIA BANK	SOLD	5.00	TO	NOZAKI, SUMIKICHI
UNITED STATES STEEL CORP	LEASED	350.00	TO	PICO COUNTY WATER DISTRICT
WATSON LAND COMPANY	LEASED	80.20	TO	ODDINGUEZ WATER CORPORATION

* Lease includes carryover flexibility right.

demand. Therefore, allowing some deviations from the limits and guidelines of the Judgment is considered a reasonable solution.

Table 11 summarizes all overextractions. Of the twelve parties listed, five exceeded the limit imposed by the Judgment. All five parties have purchased exchange pool water to meet their 1974-75 water needs.

The Watermaster recommends that no court action be taken at this time against the parties exceeding the limit.

Carryover of Adjudicated Right

The provision in the Judgment (Paragraph VI) relative to allowable carryover of unused water right states in part: "...each of the parties... who ... does not extract ... all of such party's Adjudicated Right ... is permitted to carry over from such

water year the right to extract...in the next succeeding water year an amount of water equivalent to the excess of Adjudicated Right over his extraction during said water year not to exceed, however, 10% of such party's Adjudicated Right or two acre-feet, whichever is the larger." (Emphasis added.)

The Watermaster, in reviewing water right lease documents, assumes that when not specifically conveyed to the lessee by the lease document, the amount leased is not deducted from the lessor's Adjudicated Right in computing the permissible allowable carryover or overextraction.

All lease documents should contain a statement as to which party is entitled to the benefit of the amount leased in computing carryover or overextractions. Item (5) in the suggested Water Right License and Agreement shown on page 62, is sufficient for this requirement.

TABLE II OVEREXTRACTIONS
(in acre-feet)

Party	(1) Adjudicated Right	(2) Allowable Extractions ^{a/}	(3) Amount Pumped	(4) Overextraction (2)-(3)=(4)	(5) Allowable Overextraction ^{b/}	(6) Overextraction in percent of Adjudicated Right $\frac{(4)}{(1)} \times 100 = (6)$
American Plant Growers Inc.	10.00	37.00	38.81	- 1.81	2.00	18.10
Los Angeles County Sanitation District No. 2	102.00	104.71	106.20	- 1.49	10.20	1.46
Mayflower Nurseries	0.00	0.78	25.48	-24.70 ^{c/}	2.00	---
Nozaki, Sumikichi	7.00	41.43	45.98	- 4.55 ^{c/}	2.00	65.00
Otani, Chisato	0.00	25.00	34.98	- 9.98 ^{c/}	2.00	---
Pacific Crest Cemetery Company	39.40	43.34	46.12	- 2.78	3.94	7.06
Roman Catholic Archbishop of Los Angeles	72.30	156.34	171.48	-15.14 ^{c/}	7.23	20.94
Southern California Edison Company	57.10	6.81	7.80	- 0.99	5.71	1.73
Southern California Water Company	6,548.64	6,372.73	6,433.80	-61.07	654.86	0.93
Torrance, City of	3,804.73	3,771.18	3,785.72	-14.54	380.47	0.38
Union Nursery, Inc.	4.70	23.78	26.08	- 2.30 ^{c/}	2.00	48.94
United States Steel Corp.	1,791.00	1,162.03	1,170.27	- 8.24	179.10	0.46

^{a/} See column (5) of Table 4 for derivation.

^{b/} Computed as 2 acre-feet or 10 percent of Adjudicated Right $\sqrt{\text{Column (1)}}$ whichever is larger.

^{c/} In violation of Judgment.



V. ADMINISTRATIVE COSTS

Expenses incurred in administering Watermaster Service Areas are payable one-half by the State and one-half by the parties. To obtain the funds required, the Watermaster prepares a tentative budget each year, stating the anticipated expense for administering the provisions of the Judgment. A copy is mailed to each of the parties at least 60 days before the beginning of each water year. If no objections are received within 15 days, it then becomes final.

The 1973-74 tentative budget, mailed on July 31, 1973, received no objections and became the final budget on August 15, 1973. The final approved budget is presented in Table 12. The

administrative cost chargeable to each party is in proportion to its "Adjudicated Right" and is payable on, or prior to, the first day of the water year. A 5 percent penalty is added if charges become delinquent. A total of \$21.11 was collected in penalties for delayed payments. Apportionment of the parties' share of the budget for the 1973-74 water year is set forth in Table 13.

Income and expenditures for Watermaster Service during the 1973-74 water year are shown in Table 14. Any credit or debit balance is carried forward into the succeeding water year. The parties' share of the 1973-74 carryover amounts to \$6,324.04

TABLE 12. APPROVED BUDGET FOR 1973-74

Salaries and wages	\$32,164	
Operating expenses	<u>15,958</u>	
TOTAL BUDGET		\$48,122
One-half payable by State		\$24,061
One-half payable by parties,		24,061
Less estimated carryover from 1972-73		<u>0</u>
TOTAL AMOUNT BILLED		\$24,061

TABLE 13. APPORTIONMENT OF PARTIES' SHARE OF 1973-74 BUDGET

Party	: Adjudicated : : Right : :(in acre-feet):	Apportionment paid
ABC Nursery, Incorporated	22.10	\$ 8.25
American Plant Growers, Incorporated	10.00	3.73 ^{a/}
Asahi Fancy Koi, Incorporated	2.00	0.75 ^{a/}
Atlantic Richfield Company	4,428.00	1,652.63
Automation Industries, Inc. - Harris Tube	0.70	0.26 ^{a/}
California Water Service Company	3,071.00	1,146.17
Carson-Madrone Company	104.00	38.82
Chandler's Palos Verdes Sand and Gravel Corp.	294.20	109.80
Columbia Broadcasting System, Incorporated	9.50	3.55 ^{a/}
Curtis, Owen W.	0.36	0.13 ^{a/}
Delaney, Golda, Estate of	4.10	1.53 ^{a/}
Desser Enterprises	0.00	0 ^{a/}
Dominguez Water Corporation	10,150.65	3,788.45
El Segundo, City of	953.00	355.68
Engelsma, Jake	12.10	4.52
Etchemendy, Caroline, Estate of	8.20	3.06
Fletcher Oil and Refining Company	90.00	33.59
Fujimoto, Samuel R. and Raymond S.	20.00	7.46
Futura Industries, Incorporated	44.40	16.57
Garrett Corporation, The	22.50	8.40
Georgia-Pacific Corporation ^{b/}	3.40	1.27 ^{a/}
Gillingham, Florence R., et al.	2.40	0.90 ^{a/}
Gonzales, Felipe and Gabriela	34.30	12.80
Grant, John, Estate of	59.00	22.02
Hawthorne, City of	1,882.00	702.40
Hillside Memorial Park	29.20	10.90
Hollywood Turf Club	282.00	105.25
Industrial Chemical Division - Allied Chemical Corporation	255.00	95.17
Inglewood, City of	4,402.09	1,642.96 ^{a/}
Inose, Kenichi	5.40	2.02 ^{a/}
Johns-Manville Products Corporation	881.00	328.81
Joughin Torrance Ranch ^{b/}	3.33	1.24 ^{a/}
Lagerlof, Stanley C.	3.50	1.31 ^{a/}
Lermens, Alfred	0.70	0.26 ^{a/}
Leuzinger, Emma L., Estate of	1.40	0.52 ^{a/}
Long Beach, City of	0.70	0.26 ^{a/}
Lopes, Frank	3.70	1.38 ^{a/}
Los Angeles, City of	1,503.00	560.95
Los Angeles County - Alondra Park	67.70	25.27
Los Angeles County Sanitation District No. 2	102.00	38.07
Los Angeles County Waterworks District No. 13	1,352.00	\$ 504.60
Los Angeles County Waterworks District No. 22	551.00	205.65
Los Angeles County-Western Avenue Golf Course	296.00	110.47
Loyola Marymount University	48.10	17.95 ^{c/}
Manhattan Beach, City of	1,131.20	422.19 ^{c/}

TABLE 13. (Continued)
APPORTIONMENT OF PARTIES' SHARE OF 1973-74 BUDGET

Party	: Adjudicated : : Right : :(in acre-feet):	: Apportionment : paid
Mayflower Nurseries	0.00	0 ^a / ₀
McDonnell Douglas Corporation	1.70	0.63 ^a / ₀
Mobil Oil Corporation	2,570.00	959.18
Mori, Roy H. and Kenji	3.60	1.34 ^a / ₀
Northrop Corporation, Aircraft Division	38.15	14.24
Noraki, Sumikichi	2.00	0.75 ^a / ₀
Otani, Chisato	0.00	0 ^a / ₀
Pacific Crest Cemetery Company	39.40	14.70
Palos Verdes Begonia Farm	0.00	0 ^a / ₀
Palos Verdes Water Company ^b / ₀	999.00	372.85
Park Water Company	160.00	59.72
Phillips Petroleum Company	167.00	62.33
Rehor, Josephine P.	2.20	0.82 ^a / ₀
Rockwell, Michael L.	0.10	0.04 ^a / ₀
Roman Catholic Archbishop of Los Angeles	72.30	26.98
Santa Fe Land Improvement Company	39.50	14.74
Sheets, Esther M.	5.50	2.05 ^a / ₀
Shell Oil Company	4,516.00	1,685.47
Southern California Edison Company	57.10	21.31
Southern California Water Company	6,548.64	2,444.10
Sparkletts Drinking Water Corporation	152.60	56.95
Standard Oil Company of California	4,601.30	1,717.31
Stauffer Chemical Company	521.00	194.45
Superior Oil Company	26.40	9.85
Texaco, Incorporated	3,432.00	1,280.90
Torrance, City of	3,804.73	1,420.01
Union Nursery, Incorporated	4.70	1.75 ^a / ₀
Union Oil Company of California	2,670.00	996.50
United California Bank	7.00	2.61 ^a / ₀
United States Steel Corporation	1,791.00	668.44
Watson Land Company	80.20	29.93
Wiseburn School District	8.20	3.06
Ziegler, Maxwell T.	0.00	0 ^a / ₀
TOTALS	64,468.25	\$ 24,060.98 ^d / ₀

a/ Payment waived on apportionment of less than \$3 in accordance with Section 13943.5 of the Government Code. A total of \$21.82 was waived in this manner.

b/ Was a party at the time of billing.

c/ Delayed payment, penalty assessed. A total of \$21.11 was collected in penalties.

d/ Includes payments which were waived (see footnote (a)) and excludes penalty payments.

TABLE 14. 1973-74 INCOME AND EXPENDITURES

Item	:	Parties	:	State	:	Parties and State
<u>Income</u>						
From 1973-74 budget		\$24,039.16		\$24,061.00		\$48,100.16
Balance from 1972-73		4,966.63				4,966.63
From budget penalties		<u>21.11</u>		<u> </u>		<u>21.11</u>
TOTAL INCOME		\$29,026.90		\$24,061.00		\$53,087.90
<u>Expenditures</u>						
Salaries and wages		\$16,018.22		\$16,018.22		\$32,036.44
Operating expenses						
Miscellaneous indirect cost ^{a/}		5,344.40		5,344.40		10,688.80
Travel in State		10.88		10.87		21.75
Printing annual report		214.18		214.19		428.37
Electronic machine computing		586.85		586.85		1,173.70
Other ^{b/}		<u>528.33</u>		<u>528.32</u>		<u>1,056.65</u>
TOTAL EXPENDITURES		<u>\$22,702.86</u>		<u>\$22,702.85</u>		<u>\$45,405.71</u>
BALANCE		<u>\$ 6,324.04^{c/}</u>		<u>\$ 1,358.15</u>		<u>\$ 7,682.19</u>
^{a/} Rent, utilities, auto rental, communications, retirement, employee's health plan, and workmen's compensation insurance. ^{b/} Equipment rental, mobile equipment operation, engineering contracts. ^{c/} Total credit to parties in 1974-75 water year, subject to delayed charges or credits.						

APPENDIX A

ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES
SEPTEMBER 30, 1974

AND

COPIES OF DOCUMENTS SUBSTANTIATING
TRANSFERS OF ADJUDICATED RIGHT

APPENDIX A

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ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES
SEPTEMBER 1974

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ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES
SEPTEMBER 1974
(Continued)

DON WILSON BUILDERS SUCCESSORS TO KASUO ISAMU AND YOSHIKI H. KITA SOLO TO DOMINGUEZ WATER CORPORATION TOTAL	32.60 <u>-32.60</u>	0.00	GONZALES, FELIPE AND GABRIELA	34.30*
DOUGLAS AIRCRAFT COMPANY, INCORPORATED (SEE MCCONNELL DOUGLAS CORP.)			GRAND LAND COMPANY SUCCESSOR IN PART TO SMITH, A. H., ET AL. ABANDONED WATER RIGHTS 1961-62 TOTAL	5.70 <u>-5.70</u> 0.00
DRAPER, CHARLES L. SOLD TO ALCAST FOUNDRY, ET AL. TOTAL	7.20 <u>-7.20</u>	0.00	GRANT, JOHN, ESTATE OF	59.00*
EARLY, H. J. AND DAISY SOLD TO DOMINGUEZ WATER CORPORATION SOLD TO SAMUEL R. AND RAYMOND C. FUJIMOTO TOTAL	111.00 <u>-91.00</u> <u>-20.00</u>	0.00	GRANZ, ISABELA J. (PER JUDGMENT) PARTITIONED TO HEIRS ISABELA J. GRANZ ESTATE JOSHUA TORRANCE RANCH GEORGE R. MURDOCK EMMA J. OSBORN SUBJECT TO LONG TERM LEASE STANWAK OIL COMPANY OF CALIFORNIA SUPERIOR OIL COMPANY TOTAL	380.00 -33.80 -212.40 -15.12 -32.66 54.60 <u>-26.40</u> 86.00
EDISON SECURITIES COMPANY (NOW KNOWN AS ASSOCIATED SOUTHERN INVESTMENT CO.)			GRANZ, ISABELA J.'s ESTATE OF SUCCESSOR IN PART TO ISABELA J. GRANZ SOLD IN PART TO RICHARD BARRELL AND R. A. WATT SOLD IN PART TO NED EWING, ET AL. SOLD IN PART TO R. A. WATT, INCORPORATED TOTAL	33.80 -13.54 -6.50 <u>-13.75</u> 0.00
ELLINWOOD, LATHROP M. SOLO TO ISAMU, KASUO AND YOSHIKI H. KITA TOTAL	32.60 <u>-32.60</u>	0.00	HARRIS, R. AND L. SUCCESSOR TO LAWRENCE L. LISTON DISCLAIMED WATER RIGHT TOTAL	0.70 <u>-0.70</u> 0.00
EL SEGUNDO, CITY OF	953.00*		HARRIS TUBE, INCORPORATED SUCCESSOR IN PART TO B. ROBINSON AND ASSOCIATES TRANSFERRED TO AUTOMATION IND. INC.-HARRIS TUBE TOTAL	0.70 <u>-0.70</u> 0.00
ENGELSMAN, JAKE SUCCESSOR TO WILBUR HORNSTRA SOLD TO ASAMI PAPER CO., INCORPORATED TOTAL	14.10 <u>-9.00</u>	12.10	HAWTHORNE, CITY OF	1882.00
ETCHENNEY, CAROLINE, ESTATE OF		8.20	HENDERSON, BEATRICE M. ABANDONED WATER RIGHT TOTAL	1.30 <u>-1.30</u> 0.00
EWING, CARMELITA ROSEWANS SOLO TO SOUTHERN CALIFORNIA WATER COMPANY TOTAL	91.30 <u>-91.30</u>	0.00	HEYDENRECK, JEANETTE R. (FORMERLY JEANETTE R. WEISSNYDER) SOLD TO DOMINGUEZ WATER CORPORATION TOTAL	0.70 <u>-0.70</u> 0.00
EWING, NED ET AL. SUCCESSOR IN PART TO ISABELA J. GRANZ ESTATE SOLD TO R. A. WATT, INCORPORATED TOTAL	6.50 <u>-6.50</u>	0.00	HILLSIDE MEMORIAL PARK SUCCESSOR TO SIGMUND S. AND LIONEL S. HUCKWALD TOTAL	16.70 <u>-16.70</u> 0.00
FLISKE, LESLIE R. AND ANDOR PASTERNAK, ET AL. SUCCESSORS TO ALFRED G. AND RUTH SEABACK SOLD TO STANLEY C. LAGERLOF TOTAL	3.50 <u>-3.50</u>	0.00	HOFKWARD, SIGMUND S. AND LIONEL S. SUCCESSOR TO M. J. FRODGE SOLD TO HILLSIDE MEMORIAL PARK TOTAL	16.70 <u>-16.70</u> 0.00
FLETCHER OIL AND REFINING COMPANY (FORMERLY FLETCHER OIL COMPANY) SUCCESSOR TO FLETCHER, ROBERT G. ET AL. TOTAL	86.30 <u>-3.70</u>	90.00*	HOLLYWOOD TURF CLUB	182.00*
FLETCHER, ROBERT G., DANIEL S., AND WILFRED G. SUCCESSOR TO FRD. A. JUNDHIEK SOLD TO FLETCHER OIL AND REFINING COMPANY TOTAL	3.70 <u>-3.70</u>	0.00	HORNSTRA, WILBUR SOLD TO JAKE ENGELSMAN TOTAL	14.10 <u>-14.10</u> 0.00
FRODGE, M. J. SOLD TO SIGMUND S. AND LIONEL S. HUCKWALD TOTAL	12.50 <u>-12.50</u>	0.00	HUNT, DONALD G. SUCCESSOR TO JAMES SCANUA SOLD TO KENICHI INOSE TOTAL	1.90 <u>-1.90</u> 0.00
FUKUWA, HERBERT SAKAYE (DOING BUSINESS AS MAYFLOWER NURSERIES)			INDUSTRIAL CHEMICAL DIVISION, ALIRED CHEMICAL CORP. (FORMERLY ALIRED CHEMICAL CORP., GEN. CHEMICAL CO.)	107.00*
FULLGLOVE, ROBERT L. SOLD TO STATE OF CALIFORNIA TOTAL	1.90 <u>-1.90</u>	0.00	INGLEWOOD, CITY OF SUCCESSOR TO EMMA ARFEL SUCCESSOR TO BUISE CASEAUDE BUILDING COMPANY SUCCESSOR TO GEORGIA-PACIFIC CORPORATION SUCCESSOR IN PART TO GEORGE R. MURDOCK TOTAL	4382.00 1.80 16.40 1.40 <u>-1.37</u> 4400.00*
FUJIMOTO, SAMUEL R. AND RAYMOND C. SUCCESSOR IN PART TO H. J. AND DAISY EARLY		20.00	INOSE, KENICHI SUCCESSOR TO DONALD G. HUNT SUCCESSOR TO THAYER, RALPH AND LOIS A. LINDSEY TOTAL	1.90 <u>-1.90</u> 0.00
FUTURA INDUSTRIES, INCORPORATED SUCCESSOR TO SPANISH AMERICAN INSTITUTE		44.40	ISAMU, KASUO AND YOSHIKI H. KITA SUCCESSOR TO LATHROP M. ELLINWOOD SOLD TO DON WILSON BUILDERS TOTAL	32.60 <u>-32.60</u> 0.00
GARRETT CORPORATION, THE SUCCESSOR TO SHINDA BROTHERS, INCORPORATED		12.50*	JENKINS, HARRY C. SUCCESSOR TO H. L. PERRY SOLD TO APE NURSERY, INCORPORATED TOTAL	1.80 <u>-1.80</u> 0.00
GEORGIA-PACIFIC CORPORATION SUCCESSOR TO COAST FOREST PRODUCTS SOLD TO INGLEWOOD, CITY OF TOTAL	3.40 <u>-3.40</u>	0.00		
GERAHE LAND COMPANY SUCCESSOR AND ASSIGNEE FOR A. C. JOHNSTON DRILL CO ABANDONED WATER RIGHT TOTAL	11.90 <u>-11.90</u>	0.00		
GILLINGHAM, FLORENCE R., ET AL.		2.40*		

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(Continued)

JOHNS-MANVILLE PRODUCTS CORPORATION	881,000*	MAYFLOWER NURSERIES (SEE ALSO UNDER HERBERT SAKAYE FUKUWA)	0+00*
JOHNSON, C. & S. TRANSFERRED TO KAOBU AND SATOHU WADA TOTAL	12+20 -12+20 0+00	MCANDLESS, JAMES SOLD TO SPARKLETT'S DRINKING WATER CORPORATION TOTAL	8+70 -8+70 0+00
JOHNSON, A. S., DRILLING COMPANY ASSIGNED TO GRAHAM LAND COMPANY TOTAL	11+90 -11+90 0+00	MCNEILL DOUGLAS CORPORATION (FORMERLY DOUGLAS AIRCRAFT COMPANY, INCORPORATED) LONG TERM LEASE FROM UNITED STATES NAVY DEPARTMENT	1+00
JONES, ANNA WAF SOLD TO CITY OF TORRANCE TOTAL	50+20 -50+20 0+00	MOBIL OIL CORPORATION (FORMERLY MOBILE MOBILE COMPANY)	2570+00
JUNEN TURRANCE RANCH SUCCESSOR IN PART TO ISABELA J. GRANZ SOLD IN PART TO BARRELL MULLANDEH LUNKE INC. SOLD IN PART TO RUTH LARCAE - BUILDING COMPANY SOLD IN PART TO COLLECTOR, CAMERON SOLD IN PART TO R. A. WATT, INCORPORATED TOTAL	212+42 -23+33 -16+94 -136+82 -55+30 0+00	MONETA MUTUAL WATER COMPANY SOLD TO CITY OF TORRANCE TOTAL	516+00 -416+00 0+00
JUNQUIST, FRED A. (FORMERLY WATERBURY & WYOMAN JUNQUIST) SOLD TO ROBERT & DANIEL & WILFRED D. FLETCHER TOTAL	3+70 -3+70 0+00	MINTZ, JOE JR. SOLD TO STATE OF CALIFORNIA TOTAL	1+20 -2+20 0+00
KAHLETT, E. A. SUCCESSOR IN PART TO KELLY PIPE COMPANY SOLD TO SPARKLETT'S DRINKING WATER CORPORATION TOTAL	18+90 -18+90 0+00	MORAN, KUNALL E. SUCCESSOR IN PART TO C. & S. INCORPORATED SOLD TO CITY OF TORRANCE TOTAL	4+90 -4+90 0+00
KELLY PIPE COMPANY SOLD IN PART TO STATE OF CALIFORNIA SOLD IN PART TO KAHLETT, E. A. SOLD IN PART TO SPARKLETT'S DRINKING WATER CORP. TOTAL	49+00 -16+30 -16+90 -13+80 0+00	MORI, ROY H. AND KENJI SECOND WEST COAST BASIN JUDGMENT SOLD TO NOZAKI, SHIMIZUCHI TOTAL	5+60 -2+00 1+60*
KIRBY, JAMES SOLD TO SPARKLETT'S DRINKING WATER CORPORATION TOTAL	3+50 -3+50 0+00	MURDOCK, GEORGE H. SUCCESSOR IN PART TO ISABELA J. GRANZ SOLD IN PART TO R. BARRELL AND R. A. WATT SOLD IN PART TO CITY OF INGLEWOOD TOTAL	15+12 -13+75 -2+37 0+00
KIRBY, JAMES SOLD TO SPARKLETT'S DRINKING WATER CORPORATION TOTAL	3+50 -3+50 0+00	NAKANE, KIKINO, ET AL. SOLD TO DOMINIQUEZ WATER CORPORATION TOTAL	19+30 -17+33 0+00
LAUREL, STANLEY S. SUCCESSOR TO LESLIE H. FLESH AND ANDOR PASTERNAK, ET AL. TOTAL	3+50 -3+50 0+00	NAVARTY, T. L. SOLD TO HILARY, L. AND EMMA ALWAY TOTAL	53+90 -53+90 0+00
LAWLER, JAMES E. SOLD TO R. ROBINSON AND ASSOCIATES TOTAL	3+10 -3+10 0+00	NORRIS, A DIVISION OF NORTHROP CORPORATION (FORMERLY KNOWN AS NORTHROP AIRCRAFT, INC.)	18+15
LEHMANN, ALFRED	0+70*	NORMANDIE PARK SUCCESSOR TO COLLECTOR, CAMERON SOLD TO CITY OF TORRANCE TOTAL	116+82 -136+82 0+00
LEZZIGUEN, EMMA L.	1+40	NOZAKI, SHIMIZUCHI SUCCESSOR IN PART TO MORI, ROY H. AND KENJI SUCCESSOR IN PART TO UNITED CALIFORNIA BANK TOTAL	7+00 -3+30 7+00*
LISTON, LAWRENCE SOLD TO R. AND L. HARRIS TOTAL	0+70 -0+70 0+00	OSBORN, EMMA J. SUCCESSOR IN PART TO ISABELA J. GRANZ SOLD TO R. BARRELL AND R. A. WATT TOTAL	32+60 -32+60 0+00
LOS ANGELES, CITY OF	0+70	OTANI, TOSIATO	3+00*
LOPES, FRANK	3+70	PACIFIC CREST CEMETERY COMPANY SUCCESSOR TO H. L. POST SUCCESSOR TO WADA, KAOBU AND SATOHU TOTAL	17+70 9+50 12+20 1+40*
LOS ANGELES, CITY OF	1503+00	PALOS VERDES BLUNIA FARM SUCCESSOR TO H. A. RICHMAN	0+00*
LOS ANGELES COUNTY-ALHAMBRA PARK SUCCESSION TO LOS ANGELES COUNTY FLOOD CONTROL DIST. TOTAL	28+70 -25+00 67+70*	PALOS VERDES WATER COMPANY SOLD TO CALIFORNIA WATER SERVICE COMPANY TOTAL	929+70 -929+70 0+00
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT SUCCESSOR IN PART TO A. H. SMITH, ET AL. SOLD TO LOS ANGELES COUNTY - ALHAMBRA PARK TOTAL	37+60 1+40 -39+00 0+00	PARK WATER COMPANY	160+00*
LOS ANGELES COUNTY SANITATION DISTRICT NO. 2	102+00*	PARK, JUMIDA SOLD TO H. L. PERKY TOTAL	1+54 -1+54 0+00
LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 13	1352+00*	PASCHKE, WILLIAM JOSEPH ARABIAN WATER RIGHT TOTAL	0+00 -0+00 0+00
LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 22	551+00*		
LOS ANGELES COUNTY - WESTERN AVENUE GOLF COURSE BEING WEST COAST BASIN JUDGMENT LISTED AS BOARD OF RETIREMENT OF THE LOS ANGELES COUNTY EMPLOYEES RETIREMENT SYSTEM	296+00*		
LOYOLA MARYMOUNT UNIVERSITY (FORMERLY LOYOLA UNIVERSITY OF LOS ANGELES)	48+10*		
MANHATTAN BEACH, CITY OF	1131+00*		

ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES

SEPTEMBER 1974

(Continued)

DEERY, H. L. SUCCESSOR TO ZORAIDA PARKE SOLD TO HARRY C. JENKINS TOTAL	1+80 <u>-1+80</u>	0+00	SOUTHERN CALIFORNIA WATER COMPANY SUCCESSOR TO LAMIELITA ROSECRANS EWIN SUCCESSOR TO RYAN AERONAUTICAL COMPANY SUCCESSOR TO SOUTHERN PACIFIC COMPANY SUCCESSOR IN PART TO OWEN W. GATES SUCCESSOR IN PART TO G. ROBINSON AND ASSOCIATE TOTAL	6265+30 71+30 20+20 166+00 3+40 <u>2+00</u>	6548+60
PHILLIPS PETROLEUM COMPANY (FORMERLY TIDEWATER OIL COMPANY)		167+00*	SOUTHERN PACIFIC COMPANY SOLD TO SC. CALIFORNIA WATER COMPANY TOTAL	166+00 <u>-166+00</u>	0+00
REHOR, JOSEPHINE P.		6+20	SOUTHWEST STEEL ROLLING MILLS SUCCESSOR TO WILLIAM L. JARRE COMPANY SOLD TO COAST FOREST PRODUCTS TOTAL	3+60 <u>-3+60</u>	0+00
REIFSNYDER, JEANETTE R. (NOW KNOWN AS JEANETTE H. MELVONBECK)			SOUTHWESTERN PORTLAND CEMENT COMPANY SOLD TO CHANDLERS PALOS VERDES SAND & GRAVEL CORP. TOTAL	15+00 <u>-15+00</u>	0+00
RIEFIELD OIL CORPORATION (NOW KNOWN AS ATLANTIC RIEFIELD COMPANY)			SPANISH AMERICAN INSTITUTE SOLD TO FUTURA INDUSTRIES, INCORPORATED TOTAL	44+00 <u>-44+00</u>	0+00
ROBINSON, B. AND ASSOCIATES SUCCESSOR TO JAMES F. LAWLER SOLD IN PART TO HARRIS TUBE, INCORPORATED SOLD IN PART TO SOUTHERN CALIFORNIA WATER COMPANY TOTAL	3+10 -0+70 <u>-7+60</u>	0+00	SPARKLETT'S DRINKING WATER CORPORATION SUCCESSOR TO JAMES KURTZ SUCCESSOR TO JAMES MCCANLESS SUCCESSOR TO RANLERT, ET AL. SUCCESSOR TO NEMBERT, C. ANDERSON, ET AL. SUCCESSOR TO STATE OF CALIFORNIA SUCCESSOR TO RECHLER, D. A. SUCCESSOR IN PART TO KELLY PIPE COMPANY TOTAL	3+50 6+70 18+90 80+50 26+10 3+10 <u>13+80</u>	15+60
ROFWELLY, MICHAEL L. SUCCESSOR TO BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION (TRUST B 1-51)		0+10	STANDARD OIL COMPANY OF CALIFORNIA		451+70*
RODRIGUEZ, FLAVIO SOLD TO STATE OF CALIFORNIA DISCLAIMED WATER RIGHT TOTAL	6+10 -4+00 <u>-2+10</u>	0+00	STAUFFER CHEMICAL COMPANY		521+00*
ROMAN (CATHOLIC ARCHBISHOP OF LOS ANGELES (HOLY CROSS CEMETERY)		72+30*	SUPERIOR OIL COMPANY		0+00
RUFFNER CORPORATION SUCCESSOR TO LOUIS M. SEPULVEDA ABANDONED WATER RIGHT TOTAL	0+70 <u>-0+70</u>	0+00	SWICK, PEGGY SOLD TO HILARIO AND EMMA ALWAL TOTAL	5+50 <u>-5+50</u>	0+00
RYAN AERONAUTICAL COMPANY SOLD TO SOUTHERN CALIFORNIA WATER COMPANY TOTAL	20+20 <u>-10+20</u>	0+00	TEXACO, INC.		343+00
SANTA FE LAND IMPROVEMENT COMPANY		39+50*	THAXTER, RALPH AND LOIS A. LENDIN SOLD TO KENICHE, INC. TOTAL	3+50 <u>-3+50</u>	0+00
SCANDIA, JAMES AND GEORGE NASSIN SOLD TO DONALD G. HUNT TOTAL	1+90 <u>-1+90</u>	0+00	TIDEWATER OIL COMPANY (SEE PHILLIPS PETROLEUM COMPANY)		
SCHLAEGEL, KEITH W. AND OPAL R. SOLD TO STUNY H. AND CHARLOTTE W. TITEL TOTAL	13+60 <u>-13+60</u>	0+00	TITEL, SIDNEY R. AND CHARLOTTE W. SUCCESSOR TO KEITH W. AND OPAL W. SCHLAEGEL SOLD TO ABC NURSERY, INCORPORATED TOTAL	13+60 <u>-13+60</u>	0+00
SCOTT, M. S. SUCCESSOR TO W. F. BURKE AND LOIS PRICE QUITCLAIMED TO PACIFIC WEST CEMETERY COMPANY TOTAL	9+50 <u>-9+50</u>	0+00	TORRANCE, CITY OF SUCCESSOR TO ALCATY FOUNDRY, ET AL. SUCCESSOR TO RICHARD HAY LAY AND R. A. WAIT SUCCESSOR TO BELVIDERE MILITARY WATER COMPANY SUCCESSOR TO ANNA MAE JONES SUCCESSOR TO MINNETA WATER COMPANY SUCCESSOR TO RONALD E. MOYAN SUCCESSOR TO NORMANDIE PARK SUCCESSOR TO TORRANCE UNIFIED SCHOOL DISTRICT SUCCESSOR TO R. A. WAIT, INCORPORATED TOTAL	2519+00 7+20 50+90 33+40 70+20 716+00 9+00 136+82 59+60 <u>13+70</u>	3864+73*
SEABACK, ALFRED G. AND RUTH SOLD TO LESLIE H. FLESH AND ANDOR PASTENNAK, ET AL. TOTAL	3+50 <u>-3+50</u>	0+00	TORRANCE SAND AND GRAVEL CORPORATION SUCCESSOR TO WESTON INVESTMENT COMPANY SOLD TO CHANDLERS PALOS VERDES SAND & GRAVEL CORP. TOTAL	18+00 <u>-18+00</u>	0+00
SEPULVEDA, LOUIS M. ACQUIRED BY RUFFNER CORPORATION TOTAL	0+70 <u>-0+70</u>	0+00	TORRANCE UNIFIED SCHOOL DISTRICT SUCCESSOR TO HILARIO G. AND EMMA ALWAL SOLD TO CITY OF TORRANCE TOTAL	59+60 <u>-59+60</u>	0+00
SHEETS, ESTHER M. (FORMERLY CLYDE L. SHEETS)		5+50	TUNE, WATSON, ET AL. SUCCESSOR TO JOSEPHINE WATKINSON SOLD TO D. A. RECHLER TOTAL	3+10 <u>-3+10</u>	0+00
SHELL OIL COMPANY		4516+00*	UNION NURSERY, INCORPORATED SECOND WEST COAST BASIN JUDGMENT		4+70*
SHENODA BROTHERS, INCORPORATED SECOND WEST COAST BASIN JUDGMENT SOLD TO GHALLET CORPORATION; THE TOTAL	22+50 <u>-22+50</u>	0+00	UNION OIL COMPANY OF CALIFORNIA		267+00*
SMITH, A. H., (SAM SUNBEN AND FREDA SMITH) SOLD IN PART TO STATE OF CALIFORNIA SOLD IN PART TO GRANT LAND COMPANY SOLD IN PART TO L. A. C. FLOOD CONTROL DISTRICT TOTAL	9+70 -2+60 -5+70 <u>-1+60</u>	0+00			
SOPONY MOBIL OIL COMPANY (SEE MOBIL OIL COMPANY)					
SOUTHERN CALIFORNIA EDISON COMPANY SUCCESSOR TO ASSOCIATED SOUTHERN INVESTMENT CO. TOTAL	10+40 <u>96+70</u>	57+10*			

ADJUDICATED RIGHT OF WEST COAST BASIN PARTIES

SEPTEMBER 1974

(Continued)

UNITED CALIFORNIA BANK		
SUCCESSOR TO HALLMAN, ROSEMARY N.	7.00	
SOLD TO A H C NURSERY, INCORPORATED	-2.00	
SOLD TO NIZAKI, SUMIKIHO	-5.00	
TOTAL		0.00
UNITED STATES NAVY DEPARTMENT		
TRANSFERRED FROM ALUMINUM COMPANY OF AMERICA	1.70	
LONG TERM LEASE TO McDONNELL URGULAN CORPORATION	-1.70	
TOTAL		0.00
UNITED STATES STEEL CORPORATION		1791.00*
VERBURG, WILLIAM AND CLARA D.		
SOLD TO ABC NURSERY, INCORPORATED	0.70	
TOTAL	-6.70	0.00
WADA, KADRU AND KATORU		
TRANSFERRED FROM L. L. JOHNSON	12.20	
SOLD TO PACIFIC CREST CEMETERY COMPANY	-12.20	
TOTAL		0.00
WATKINSON, JOSEPHINE		
SOLD TO WATES TUNE, ET AL.	1.10	
TOTAL	-3.10	0.00
WATSON LAND COMPANY		
SUCCESSOR IN PART TO DOMINGUEZ WATER CORPORATION	42.00	
TOTAL	37.00	80.20*
WATT, R. A., INCORPORATED		
SUCCESSOR TO NED EWING, ET AL.	6.50	
SUCCESSOR IN PART TO ISABELA J. URANZ ESTATE	13.75	
SUCCESSOR IN PART TO JOSEPH TORMANLE RANCH	55.35	
SOLD TO DOMINGUEZ WATER CORPORATION	-61.85	
SOLD TO CITY OF TORMANLE	-13.75	
TOTAL		0.00
WEHSLER, B. A.		
SUCCESSOR TO WATES TUNE, ET AL.	1.10	
SOLD TO SPARKLETT'S DRINKING WATER CORPORATION	-1.10	
TOTAL		0.00
WESTON INVESTMENT COMPANY		
SOLD TO TORMANLE SAND AND GRAVEL CORPORATION	18.00	
TOTAL	-18.00	0.00
WILSON, A. K., LUMBER COMPANY		
SOLD TO SOUTHWEST STEEL ROLLING MILLS	3.40	
TOTAL	-3.40	0.00
WISERBURN SCHOOL DISTRICT		8.20*
WOODMAN, KATHERINE D.		
(SEE FRED A. JUNGQUIST)		
ZETSLER, MAXWELL T.		0.00*
GRAND TOTAL		8448.20*

*NUMBER OF EXCHANGE POOL AS OF SEPTEMBER 30, 1974.
PURSUANT TO PARAGRAPH VII OF THE JUDGMENT.

COPIES OF DOCUMENTS SUBSTANTIATING TRANSFER OF ADJUDICATED RIGHT

DEED OF WATER RIGHTS

For a valuable consideration, UNITED CALIFORNIA BANK, a Corporation, hereby sells and transfers to AM. RICHFIELD, a California Corporation, the following:

Right to extract water amounting to 2.0 acre-feet per annum from an underground water basin and reservoir commonly known as "WEST COAST BASIN" and more particularly described in a Judgment, in Case No. 508406 in the Superior Court of the State of California, in and for the County of Los Angeles, in that action entitled "CALIFORNIA WATER SERVICE COMPANY, et al, Plaintiff, vs. THE CITY OF COMPTON, et al, Defendant", said Judgment being entered August 22, 1961, in Book 4291, Page 62, and is in favor of FRANK A. BALLMAN and RICHMARY N. BALLMAN as to the 2.0 acre-feet.

Dated: July 17, 1974

UNITED CALIFORNIA BANK, a Corporation

By Frank A. Ballman
Attorney-in-Fact

ASSIGNMENT OF LEASE AND TRANSFER OF WATER RIGHTS

Industrial Chemicals Division, Allied Chemical Corporation, hereinafter referred to as "Allied" hereby leases and transfers to Atlantic Richfield Company, hereinafter referred to as "Atlantic Richfield" a license, in writing, bearing the words beginning January 1, 1974 and ending September 30, 1974, to extract a certain "said parcel" water rights consisting of the right to pump six hundred and fifty-five (655) acre feet of water for and discharge and period from the West Coast Basin (255) acre feet of water basin within the control and West Coast Water Replenishment District, in the State of California.

This license shall be subject to the following condition:

- Atlantic Richfield shall pay to Allied, by check a rental of twenty-nine and no/100 Dollars (\$29.00) per acre-foot for the water rights leased and transferred.
- Total consideration therefore, computed on the basis of said rental of Two Hundred and Fifty Five (255) acre feet is seven thousand and three hundred ninety-five dollars (\$7,395.00) which shall be paid to Allied in nine (9) equal monthly installments of Eight hundred twenty-one and 67/100 Dollars (\$821.67) beginning on the fifteenth day of February, 1974, and continuing on the fifteenth day of each month thereafter for a period of nine (9) months.
- Atlantic Richfield shall keep and maintain accurate records of the ground water extraction made hereunder and shall report the same to the Central and West Basin Water Replenishment District, the County of Los Angeles, and the Department of Water Resources of the State of California to all other agencies to whom such reports must be filed, and to the State of California.

WARRANTY OF TITLE AND ASSIGNMENT

For the purpose of this deed, the undersigned, FRANK A. BALLMAN, Attorney-in-Fact for UNITED CALIFORNIA BANK, a Corporation, hereby warrants and transfers to Atlantic Richfield Company, hereinafter referred to as "Atlantic Richfield" a license, in writing, bearing the words beginning January 1, 1974 and ending September 30, 1974, to extract a certain "said parcel" water rights consisting of the right to pump six hundred and fifty-five (655) acre feet of water for and discharge and period from the West Coast Basin (255) acre feet of water basin within the control and West Coast Water Replenishment District, in the State of California.

Said license is printed subject to the following conditions:

- This license shall be subject to such changes or modifications as may be made by the Public Utilities Commission of the State of California as said Commission may from time to time direct in the exercise of its jurisdiction.
- This license shall not become effective until the authorization of the Public Utilities Commission of the State of California has been first obtained.
- The valuable consideration for this license may be subject to acceleration.
- Dominger Water Corporation warrants that it has more than 1,500 acre feet of adjudicated right and that it has not pumped and will not pump or permit or license any other person to pump any part of the said 1,500 acre feet licensed hereunder during the period of October 1, 1973 through September 30, 1974.
- This license shall at all times be subject to such changes or modifications by the Public Utilities Commission of the State of California as said Commission may from time to time direct in the exercise of its jurisdiction.
- This license shall not become effective until the authorization of the Public Utilities Commission of the State of California has been first obtained.
- The valuable consideration for this license may be subject to acceleration.

DATED: October 1, 1973

DOMINGER WATER CORPORATION

ATLANTIC RICHFIELD COMPANY

By Frank A. Ballman
Title: Attorney-in-Fact
By Frank A. Ballman
Title: Secretary

By Frank A. Ballman
Title: Vice President
By Frank A. Ballman
Title: Secretary

returned to Atlantic Richfield upon the same basis as that stated above.

Allied shall not pump water from said West Basin during the term of this license in a quantity which would include any portion of the two hundred and fifty five (255) acre feet leased hereunder.

Atlantic Richfield shall pay all power costs and other production costs in connection with the production of the water referred to herein.

If either party to this lease shall desire to serve a notice on the other, such notice shall be deemed to have been made if those sent to Allied are mailed to:

J. S. HANSEN, MANAGER
ALLIED CHEMICAL CORPORATION
4510 So. Sepulveda Blvd.
Beverly Hills, California 90245

and all notices sent to Atlantic Richfield are mailed to:

ATLANTIC RICHFIELD COMPANY
1901 S. Sepulveda Blvd.
Carson, California 90745
Attn: B. E. Veron

Delivery will be deemed to have been made when deposited in the United States mail, postage prepaid. Either party may, by notice in writing to the other, change such address for notices to it. In witness whereof the parties hereto execute this agreement on the date first above written.

INDUSTRIAL CHEMICALS DIVISION
ALLIED CHEMICAL CORPORATION

BY J. S. Hansen

ATLANTIC RICHFIELD COMPANY

BY B. E. Veron
Vice President

NO.

WATER USE LICENSE

The City of Inglewood, a municipal corporation, hereinafter referred to as "INGLEWOOD", hereby grants to Atlantic Richfield Company, hereinafter referred to as "ATLANTIC", a license to extract 1,000 acre-feet of INGLEWOOD'S Restricted Pumping allocated to INGLEWOOD under the terms of the Decree in the action: California Water Service Company, et al. vs. Compton, No. 504806, during the period commencing October 1, 1973, and continuing to and including September 30, 1974.

(1) Licensee shall exercise said right and extract the same on behalf of INGLEWOOD during the period above specified and put the same to beneficial use and licensee shall not by the exercise hereunder of said right acquire any right to extract water independent of the rights of licensor.

(2) ATLANTIC will pay to the Central and West Basin Water Replenishment District any pumping assessments levied by the District during the 1973-74 water year on the quantity of water extracted by ATLANTIC from the West Basin under said license.

(3) ATLANTIC will keep and maintain records of agreed production under this agreement and will report same to the Watermaster and to INGLEWOOD upon completion of ATLANTIC'S pumping.

INGLEWOOD warrants that it has 1,000 acre-feet of Restricted Pumping and that it has not pumped and will not pump or permit or license any other person to pump any part of said 1,000 acre-feet during the period of October 1, 1973 through September 30, 1974.

CITY OF INGLEWOOD, CALIFORNIA,
a municipal corporation

By [Signature]
CITY CLERK

ATTEST

CITY CLERK

(SEAL)

APPROVED AS TO FORM:

CITY ATTORNEY

AGREEMENT

THIS AGREEMENT made and entered into this 12th day of January, 1974, by and between the CITY OF INGLEWOOD, a municipal corporation, hereinafter referred to as "INGLEWOOD" and ATLANTIC RICHFIELD COMPANY, hereinafter referred to as "ATLANTIC":

RECITALS

WHEREAS, both INGLEWOOD and ATLANTIC are producing from the West Basin; and

WHEREAS, INGLEWOOD has an allowed pumping allocation of 4402.09 acre-feet of water per annum in said Basin; and

WHEREAS, ATLANTIC desires to make temporary use of a portion of INGLEWOOD'S allowed pumping allocation for one water year only;

NOW, THEREFORE, THE PARTIES HERETO AGREE AS FOLLOWS:

1. INGLEWOOD has granted to ATLANTIC by a separate document a license to produce a portion of INGLEWOOD'S West Basin allowed pumping allocation in the quantity of 1,000 acre-feet for the water year which commences October 1, 1973, and which water year ends on September 30, 1974.

2. ATLANTIC agrees to pay INGLEWOOD the net sum of \$29,000 in October, 1974.

IN WITNESS WHEREOF, the parties hereto have authorized the due execution hereof by their respective officers the day and year first above set forth.

ATLANTIC RICHFIELD COMPANY

By [Signature] PRESIDENT

And By [Signature] ATTORNEY AT LAW

Dated: February 3, 1974

ATLANTIC RICHFIELD COMPANY

By [Signature] (TITLE) VICE PRESIDENT

And By [Signature] (TITLE) VICE PRESIDENT

CITY OF INGLEWOOD, CALIFORNIA,
a California corporation

By [Signature] (TITLE) MAYOR

ATTEST

[Signature]
CITY CLERK

(SEAL)

APPROVED AS TO FORM

[Signature]
CITY ATTORNEY

THIS INSTRUMENT IS A TRUE AND CORRECT COPY OF THE ORIGINAL INSTRUMENT FILED FOR RECORD IN THE PUBLIC RECORDS OF THE COUNTY OF LOS ANGELES, CALIFORNIA, ON SEPTEMBER 1, 1974, AT THE OFFICE OF THE COUNTY CLERK, AND IS A TRUE AND CORRECT COPY OF THE ORIGINAL INSTRUMENT FILED FOR RECORD IN THE PUBLIC RECORDS OF THE COUNTY OF LOS ANGELES, CALIFORNIA, ON SEPTEMBER 1, 1974, AT THE OFFICE OF THE COUNTY CLERK.

DATE February 3, 1974

EXAMINED BY THE COUNTY CLERK

FILED FOR RECORD

RECORDED

64153.6

WATER RIGHTS LICENSE

For a valuable consideration, UNION OIL COMPANY OF CALIFORNIA, a corporation (Union), hereby grants to ATLANTIC RICHFIELD COMPANY, a corporation (Licensee), a license to abstract, during the period beginning October 1, 1973 and ending September 30, 1974, 1,050 acre-feet of the 2670 acre-feet of Adjudicated Right owned by Union under and pursuant to the provisions of the Judgment dated August 18, 1961, entered in Los Angeles County Superior Court Case No. 506,808, entitled "California Water Service Company, et al., vs. City of Compton, et al."

This license shall be subject to the following conditions:

1. Licensee shall exercise this license and shall abstract the aforesaid 1,050 acre-feet of Adjudicated Right on behalf of Union during the above specified period and shall put the same to beneficial use and Licensee shall not by the exercise hereunder of Union's right acquire any right to abstract water independent of the rights of Union.
2. Licensee shall keep and maintain accurate records of its ground water abstractions made hereunder and shall report the same to the Central and West Basin Water Replenishment District, to the court-appointed Watermaster, being the Department of Water Resources of the State of California, and to Union.
3. Licensee shall notify the District and the Watermaster that such ground water abstraction was made pursuant to the provisions of this license agreement, a copy of which shall be provided to the Watermaster by Union.
4. Licensee shall pay to the District all ground water replenishment assessments levied by the District on the quantity of ground water abstracted by Licensee hereunder.

Union warrants that it owns the aforesaid 1,050 acre-feet of Adjudicated Right and that the same has not been nor shall it be abstracted by Union or by any other party under authority granted by Union, during the period beginning October 1, 1973 and ending September 30, 1974.

DATED: November 16, 1973.

UNION OIL COMPANY OF CALIFORNIA

ATLANTIC RICHFIELD COMPANY

By [Signature]
Fred M. Anderson, President
Union Real Estate Division

By [Signature]
e

AND WHEN RECORDED MAIL TO: 416
J. Robert Maddox, Esq.
9100 Wilshire Boulevard
Suite 955
Beverly Hills, California 90212

DOCUMENTARY
AFTER TAX 5.25%
COMPUTED ON FULL VALUE OF PROPERTY COVERED.
OR COMPUTED ON FULL VALUE LESS LEASE AND
ENCUMBRANCES REMAINING. FEE OF SALE
1/2% OF DEED OR 1/4% OF SALE PRICE
1/2% OF DEED OR 1/4% OF SALE PRICE

EXHIBIT A TO
DEED OF WATER RIGHTS

DEED OF WATER RIGHTS

FOR A VALUABLE CONSIDERATION, Phillip R. Nicholson, as Trustee pursuant to that certain Declaration of Trust dated December 27, 1969 ("Grantor"), hereby sells and transfers to Chandler's Palos Verdes Sand & Gravel Co., a California corporation, ("Grantee") all of its right, title and interest, to extract 184 acre-feet of Grantor's Adjudicated Right allocated to Grantor (or its predecessors in interest) under and pursuant to a judgment dated August 19, 1961, and entered in Los Angeles Superior Court Case No. 506 806, entitled "California Water Service Company, et al. v. City of Compton, et al."; provided, however, Grantee shall have no right or interest to enter in any other manner whatsoever, upon, above, through or into that certain real property located in the City of Torrance, County of Los Angeles, State of California, more particularly described in Exhibit "A" attached hereto and made a part hereof, or any other real property owned by Grantor.

DATED: April 18, 1974.

Phillip R. Nicholson
PHILIP R. NICHOLSON, TRUSTEE
under Declaration of Trust dated
December 27, 1969.

The undersigned hereby approves the form and content of this Deed of Water Rights.

CHANDLER'S PALOS VERDES SAND & GRAVEL CO., a California corporation

By *Chandler's Palos Verdes Sand & Gravel Co.*
Its *President*
James D. Hunter
Its *Vice President*

RECORDED IN OFFICIAL RECORDS OF LOS ANGELES COUNTY, CA
MAY 16 1974 AT 8 A.M.
Recorder's Office

EXHIBIT A

TO HAVE & TO HOLD (Grantor)
COUNTY OF Los Angeles } ss
DATE: April 15, 1974
I, *Phillip R. Nicholson*, do hereby certify that the within and foregoing is a true and correct copy of the original Declaration of Trust dated December 27, 1969, as the same appears in the records of the County of Los Angeles.
Witness my hand and official seal this 15th day of April, 1974.
Phillip R. Nicholson
Notary Public for the State of California

MM4687-220

July 17, 1974

Department of Water Resources
Post Office Box 6598
Los Angeles, California 90055
Attention Mr. Mitchell L. Gould
Gentlemen

This will confirm my telephone conversation with Mr. Robert Sullivan of the Los Angeles office. We have agreed to lease back from Atlantic Richfield 175 acre feet of adjudicated right in the West Coast Basin.

This will be applicable for the water year October 1, 1973 through September 30, 1974.

Very truly yours,

Arthur L. Reeves
Arthur L. Reeves, Vice President

ALR:eb

TO HAVE & TO HOLD (Grantor)
STATE OF CALIFORNIA } ss
COUNTY OF Los Angeles }
DATE: April 18, 1974
I, *Phillip R. Nicholson*, do hereby certify that the within and foregoing is a true and correct copy of the original Declaration of Trust dated December 27, 1969, as the same appears in the records of the County of Los Angeles.
Witness my hand and official seal this 18th day of April, 1974.
Phillip R. Nicholson
Notary Public for the State of California

WATER RIGHTS - PUMP AND AGREEMENT

FOR A VALUE OF EIGHTY-THREE DOLLARS (\$83.00) to be paid by grantee, DOMINGUEZ WATER CORPORATION, a corporation organized under the laws of the State of California, to the lessor, STANLEY C. LAGERLOF, an individual, residing at 1000 West 10th Street, Los Angeles, California 90057, and pursuant to judgment dated August 15, 1974, in Case No. 506,806, entitled "California Water Service Company, et al., v. City of Compton, et al.", filed in the Superior Court of the County of Los Angeles, California, and continuing, to and including September 30, 1974.

Said license is granted, subject to the following conditions:

(1) Licensee shall exercise said right and extract the same on behalf of the Central and West Basin Water Replenishment District during the period above specified and put the same to beneficial use and licensee shall not by the exercise hereunder of said right acquire any right to extract water independent of the rights of the licensor.

(2) Licensee shall pay assessments levied on the pumping of said ground waters by the Central and West Basin Water Replenishment District.

(3) Licensee shall notify the District and the Watermaster that said pumping was done pursuant to this license and provide the Watermaster with a copy of this document.

(4) Licensee shall not, in any recording of water production for the period of agreement, that said pumping was done pursuant to this license.

GRANTOR, STANLEY C. LAGERLOF, hereby accepts from DOWNEY WATER CORPORATION, a corporation organized under the laws of the State of California, the right to pump and extract water from the Central and West Basin Water Replenishment District during the period of this license.

STANLEY C. LAGERLOF
Grantor

DOWNEY WATER CORPORATION
Grantee

[Signature]
Stanley C. Lagerlof

[Signature]
Arthur L. Downey

6. DOMINGUEZ shall exercise all of the rights leased hereunder and shall pump the same on behalf of LAGERLOF and shall put the same to beneficial use on or before September 30, 1974.

7. Each party agrees that that of the quantity extracted by DOMINGUEZ, between the date of this lease and the end of the 1973-74 water year from the Basin in which said rights were leased to DOMINGUEZ, 3.5 acre feet of said quantity shall be deemed to be pursuant to and in exercise of the rights leased hereby.

8. The allowed pumping allocation of DOMINGUEZ shall be increased by the amount hereby leased when computing carryover or allowable overextraction as provided by paragraph 6 of said judgment.

DOWNEY WATER CORPORATION

By *[Signature]*
C. A. Bryant, President

[Signature]
Stanley C. Lagerlof

2.

LEASE OF WATER RIGHTS

THIS LEASE is entered into the 22nd day of March, 1974, by and between DOMINGUEZ WATER CORPORATION, a corporation, hereinafter DOMINGUEZ, and STANLEY C. LAGERLOF, an individual, hereinafter LAGERLOF.

For and in consideration of the mutual undertakings and obligations of the parties as hereinafter set forth, and for other valuable consideration, the parties hereto agree as follows:

1. LAGERLOF has acquired the right to produce, extract and withdraw 3.5 acre feet of water per annum from the West Coast Basin, as said basin is described in the Judgment in the Los Angeles Superior Court Case No. 506,806, entitled "California Water Service Company, et al., v. City of Compton, et al."

2. LAGERLOF hereby leases to DOMINGUEZ and DOMINGUEZ hereby accepts from LAGERLOF 3.5 acre feet of said right.

3. The term of this lease shall commence on the date of this lease and continue to and including September 30, 1974.

4. DOMINGUEZ shall pay to LAGERLOF the sum of \$105.00 on or before September 30, 1974.

5. DOMINGUEZ shall pay, before delinquency, all pumping assessments levied by the Central and West Basin Water Replenishment District on LAGERLOF'S said water rights.

WITNESSES

By *[Signature]*
Stanley C. Lagerlof
Grantor

By *[Signature]*
Arthur L. Downey
Grantee

(1) Licensee shall exercise said right and extract the same on behalf of the Central and West Basin Water Replenishment District during the period above specified and put the same to beneficial use and licensee shall not by the exercise hereunder of said right acquire any right to extract water independent of the rights of the licensor.

(2) Licensee shall pay assessments levied on the pumping of said ground waters by the Central and West Basin Water Replenishment District.

(3) Licensee shall notify the District and the Watermaster that said pumping was done pursuant to this license and provide the Watermaster with a copy of this document.

(4) Licensee shall not, in any recording of water production for the period of agreement, that said pumping was done pursuant to this license.

GRANTOR, STANLEY C. LAGERLOF, hereby accepts from DOWNEY WATER CORPORATION, a corporation organized under the laws of the State of California, the right to pump and extract water from the Central and West Basin Water Replenishment District during the period of this license.

Dated 5 Nov 1973

STANLEY C. LAGERLOF, Grantor

By *[Signature]*
Stanley C. Lagerlof

By *[Signature]*
Arthur L. Downey

EXCHANGE OF WATER RIGHTS

The Parties hereto, DOMINGUEZ WATER CORPORATION, a California corporation, hereinafter DOMINGUEZ, and PICO COUNTY WATER DISTRICT, a county water district organized under Division 12 of the Water Code of California, herein-after DISTRICT.

This agreement is based on the following facts:

1. DOMINGUEZ has rights to produce water from the Central Basin of California adjudicated to it under Central and West Basin Water Replenishment District v. Charles E. Adams, at al., No. 786,656, Los Angeles Superior Court, and has the right to extract not less than 200 acre feet from said basin for the balance of the water year 1973-74.

2. DISTRICT has acquired by lease the right to extract not less than 145.50 acre feet of water from the West Coast Basin for the balance of the water year 1973-74.

3. The Parties desire to exchange said rights on the terms and conditions set forth below.

The parties hereto agree as follows:

A. DISTRICT hereby gives and transfers to DOMINGUEZ its right to extract water from the West Coast Basin for the water year 1973-74 to the extent of 145.50 acre feet and no more.

B. DOMINGUEZ hereby gives and transfers to DISTRICT its rights to extract water from the Central Basin for the water year 1973-74 to the extent of 145.50 acre feet and no more.

C. Each party agrees to pay before delinquency all pumping assessments levied by the Central and West Basin Water Replenishment District on the water rights being transferred to each.

D. Each party agrees to pump and extract the full amount of 145.50 acre feet of water from the basin in which the transferred rights exist and put said amount to beneficial use therein prior to the end of the 1973-74 water year.

E. Each party agrees that the 145.50 acre feet extracted by it following the date of this agreement from the basin in which said rights were transferred to it shall be deemed to be pursuant to and in exercise of the rights transferred hereby.

F. Each party agrees that the rights of each of them with respect to allowable overextractions or in the computation of carryover rights shall not be affected by the exchange of water rights provided herein. Their respective rights to allowable overextractions and carryover rights shall be determined and computed as though this exchange had not been made.

DATED: March 22, 1974

DOMINGUEZ WATER CORPORATION

By C. M. Breyer
C. M. Breyer, President

PICO COUNTY WATER DISTRICT

By Stanley C. Lagarlot
Stanley C. Lagarlot, Secretary

EXCHANGE OF WATER RIGHTS

The parties hereto, DOMINGUEZ WATER CORPORATION, a California corporation, hereinafter DOMINGUEZ, and PICO COUNTY WATER DISTRICT, a county water district organized under Division 12 of the Water Code of California, herein-after DISTRICT

This agreement is based on the following facts:

1. DOMINGUEZ has rights to produce water from the Central Basin of California adjudicated to it under Central and West Basin Water Replenishment District v. Charles E. Adams, at al., No. 786,656, Los Angeles Superior Court, and has the right to extract not less than 500 acre feet from said basin for the balance of the water year 1973-74.

2. DISTRICT has acquired by lease the right to extract not less than 500 acre feet of water from the West Coast Basin for the balance of the water year 1973-74.

3. The Parties desire to exchange said rights on the terms and conditions set forth below.

The parties hereto agree as follows:

A. DISTRICT hereby gives and transfers to DOMINGUEZ its right to extract water from the West Coast Basin for the water year 1973-74 to the extent of 500 acre feet and no more.

B. DOMINGUEZ hereby gives and transfers to DISTRICT its rights to extract water from the Central Basin for the water year 1973-74 to the extent of 500 acre feet and no more.

C. Each party agrees to pay before delinquency all pumping assessments levied by the Central and West Basin Water Replenishment District on the water rights being transferred hereby.

D. Each party agrees to pump and extract the full amount of 500 acre feet of water from the basin in which the transferred rights exist and put said amount to beneficial use therein prior to the end of the 1973-74 water year.

E. Each party agrees that the 500 acre feet extracted by it following the date of this agreement from the basin in which said rights were transferred to it shall be deemed to be pursuant to and in exercise of the rights transferred hereby.

F. Each party agrees that the rights of each of them with respect to allowable overextractions or in the computation of carryover rights shall not be affected by the exchange of water rights provided herein. Their respective rights to allowable overextractions and carryover rights shall be determined and computed as though this exchange had not been made.

G. This agreement does not amend, modify, or change the rights and obligations of the parties hereto with respect to any prior agreement between them but is separate and distinct therefrom and supplemental thereto.

Dated August 28, 1974

DOMINGUEZ WATER CORPORATION

By C. M. Breyer
C. M. Breyer, President

PICO COUNTY WATER DISTRICT

By Stanley C. Lagarlot
Stanley C. Lagarlot, Secretary

WATER RIGHT LICENSE AND AGREEMENT

¹ AVALON BEACHS GOLF AND COUNTRY CLUB, SANTA LITA ALAQUIM RIVER DISTRICT, a locally granted "DEEDING OF WATER CORPORATION," a licensee to
² Since it reflects the donor's Adjudicated Right all water is licensor (or
the district) is owner right under and part due to judgment dated August 18, 1961
and entered in Los Angeles Superior Court Case No. M06806 entitled "*California
Water Service Company, et al., vs. City of Long Beach, et al.*" during the period
commencing on October 1, 1957 and continuing to and including September 30, 1974

Such functions are generally subject to the following conditions

- (1) To ensure said pumping said right and extra is the same on behalf of Santa Fe and its predecessor company during the period of said special and post the same on behalf of the same and its predecessor company during the period of said right to ensure said right to extract water independent of the rights of the issuer.
- (2) The issuer shall pay assessments based on the pumping of said ground waters by the Central and West Basin Water Replenishment District.
- (3) The issuer shall notify the District and the Watermaster that said pumping was done pursuant to this license and provide the Watermaster with a copy of this document.
- (4) The issuer shall notify, in any reporting, if water production for the period of April 1st to June 30th of any year is also done pursuant to this license.

STATEMENT 1: LAMPWORKING METHOD: LAMPWORKING involves that the glass is heated in a furnace and will not pump or permit any of the gases to be released. The gases are released during the process of the lampworking.

20141110_NatureMaterials_24124

2008年11月11日星期五 11:05:11 来自: 192.168.1.100 访问: 192.168.1.100

VICE PRESIDENT H. Arthur L. Renner VICE PRESIDENT

For a valuable consideration, ESTABL OF JOHN J. WANN hereby grants to Hillside Memorial Park and Mausoleum: a license to extract 59 acre-feet of licensor's Adjudicated Right allocated to licensor (or predecessor in interest) under and pursuant to the said August 18, 1961, and entered in Los Angeles Superior Court Case No. 58348 entitled "California Water Service Company, et al. vs. City of Compton, et al." during the period commencing October 1, 1973 and continuing to and including September 30, 1974.

Said License is granted, subject to the following conditions:

- (1) Licensee shall exercise said right and extract the same on behalf of STATE OF JOHN D'AMICO during the period of said license, said license shall not be for beneficial use and said license shall not be the exercise hereunder of said right acquire any right to extract water independent of the rights of licensor.
- (2) Licensee shall pay assessments levied on the pumping of said ground waters in the Central and West Basin Water Replenishment District.
- (3) Licensee shall notify the District and the Watermaster that said pumping was done pursuant to this license and provide the Watermaster with a copy of this document.
- (4) Licensee shall note, in any recording of water production for the period of said license, that said pumping was done pursuant to this license.

LETTER OF JOHN CRANT warrants that it has 59 acre-feet of Adjudicated Right and that it has not pumped and will not pump, or permit or license any other person to pump any part of said 59 acre-feet during the period October 1, 1973 through September 30, 1974.

dated:

ESTATE OF JOHN GRANT / KILL-ING MEMORIAL PARK, AUSTIN, TEXAS

xy.

0 - 74-3

FOR A VALUABLE CONSIDERATION, receipt of which is hereby

acknowledged.

GEORGIA-PACIFIC CORPORATION, a
Georgia corporation

barely transfers and conveys to CITY OF INGLEWOOD - a municipal corporation, 3 1/2 acre feet of water rights. These water rights are as shown in the Superior Court case of the County of Los Angeles entitled "California Water Service Company, et al, Plaintiffs vs. City of Compton, et al. Defendants", No. 507860, together with any and all allowable carryover from the 1972-73 water year.

DATED January 18, 1974

GEORGIA PACIFIC CORPORATION

By Paul J. [Signature]
Chairman and President

By Frank H. Jones
Assistant to Agent

STATE OF OREGON)
County of Multnomah) ss.

On this 15th day of January, 1974, before me, the undersigned, a Notary Public in and for said county and state, personally appeared Robert B. Pampers and Frank G. Bremer, known to me to be, respectively the Chairman and President and the Assistant Secretary of Georgia Pacific Corporation, the corporation that executed the within instrument, known to me to be persons known to the within instrument in behalf of the corporation so named, and a concluded to me that such corporation executed the within instrument pursuant to its bylaws or a resolution of its board of directors.

WITNESS my hand and official seal

Nursery license in and to be used only as stated
My commission expires 1-1-77

CERTIFICATE OF ACCEPTANCE

This is to certify that the interest in real property conveyed by the deed or grant dated Jan 27, 1970 from George and Edith Gruber to

To the CITY OF TULSA, a municipal corporation, is hereby submitted by order of the City Council on 10th day of 1964 and the grantee consents to recordation by its duly authorized officer

By 21
City Clerk of the City of
Inglewood, California

Dated 186, 1974

NO. 10790
AGREEMENT

between

DEPARTMENT OF WATER AND POWER
OF THE CITY OF LOS ANGELES

and

LOS ANGELES COUNTY
WATERMANS DISTRICT NO. 13 (LIMITS)

6. The Parties desire to exchange said allotments on the terms and conditions set forth below.
7. DISTRICT hereby permits DEPARTMENT to extract water from the West Coast Basin for the water year 1973-74 to the extent of 250 acre-feet and no more.
8. DEPARTMENT hereby permits DISTRICT to extract water from the Central Basin for the water year 1973-74 to the extent of 250 acre-feet and no more.
9. Each Party agrees to pay before delinquency all pumping assessments levied by the Central and West Basin Water Replenishment District on each Party's pumping allotments.
10. Each Party agrees to extract the full amount of 250 acre-feet of water from the basin in which the transferred pumping allotment exists and put said amount to beneficial use therein prior to the end of the 1973-74 water year.
11. Each Party has the right to over-extract or under-extract as much as 25 acre-feet pursuant to the terms of the aforementioned Judgment.
12. Each Party agrees that the 250 acre-feet extracted by it following the date of the Agreement from the basin in which said pumping allotments were transferred to it shall be deemed to be pursuant to a exercise of the allotments transferred hereby.

DATE: SEP 10 1974, 1974

EXCHANGE OF PUMPING ALLOTMENTS

The Parties hereto are THE LOS ANGELES COUNTY WATERMANS DISTRICT NO. 13 (LIMITS), a public corporation, herein referred to as "DISTRICT" and the DEPARTMENT OF WATER AND POWER OF THE CITY OF LOS ANGELES, herein referred to as "DEPARTMENT".

This agreement is based on the following facts:

1. DEPARTMENT has an Allowed Pumping Allocation to produce water from the Central Basin of California adjudicated to it under Central and West Basin Water Replenishment District vs. Charles E. Adams et al., No. 786,656, Los Angeles County Superior Court, and has the right to extract not less than 250 acre-feet from said basin for the balance of the water year 1973-74.
2. DISTRICT has an Adjudicated Right to produce water from the West Coast Basin of California adjudicated to it under California Water Service Company, et al. vs. City of Compton, et al., No. 506,898, Los Angeles County Superior Court, and has the right to extract not less than 250 acre-feet of water from said basin for the balance of the water year 1973-74.
3. DISTRICT has limited operational flexibility to extract its Allowed Pumping Allocation in the Central Basin, but has greater operational flexibility to extract water in the West Coast Basin.
4. Conversely, DISTRICT has limited operational flexibility to extract its Adjudicated Right in the West Coast Basin, but has a greater operational flexibility to extract water in the Central Basin.
5. An exchange of pumping allotments would increase the operational flexibility of both Parties and would be mutually beneficial thereto.

Agreement No. 10790

DISTRICT

LOS ANGELES COUNTY WATERMANS
DISTRICT NO. 13 (LIMITS)



JAMES B. HISE
Executive Officer/Clerk of
the Board of Supervisors

By

[Signature]
Chairman of the Board of
Supervisors of County of
Los Angeles, as the
governing body of said
Watermains District

By

[Signature]
Deputy

ADOPTED
BOARD OF DISTRICT NO. 13
COUNTY OF LOS ANGELES

SEP 10 1974

[Signature]
SEAL

APPROVED AS TO FORM

John E. Leland
County Counsel,
County of Los Angeles

By

[Signature]
Deputy

DEPARTMENT

DEPARTMENT OF WATER AND POWER OF
THE CITY OF LOS ANGELES

By

BOARD OF WATER AND POWER COMMISSIONERS
OF THE CITY OF LOS ANGELES

By

[Signature]
SEAL

And

[Signature]
SEAL

RECORDED BY REC. 137

APPROVED AS TO SUBSTANCE

[Signature]
JAMES B. HISE
Executive Officer/Clerk of
the Board of Supervisors

LEASE OF WATER RIGHTS

THIS AGREEMENT is entered into this 13th day of August, 1974, by and between the City of El Segundo a general law city of the State of California, hereinafter referred to as "City" and MOBIL OIL CORPORATION, hereinafter referred to as "MOBIL".

For and in consideration of the mutual undertakings and obligations of the parties as hereinafter set out and for other valuable consideration, the parties hereto agree as follows:

1. City hereby leases to MOBIL and MOBIL takes from City the right to exercise City's appropriative, prescriptive and adjudicated right to extract water from the West Coast Basin (the ground water basin within the Central and West Basin Water Replenishment District in the State of California) to the extent of Three Hundred (300) acre feet.
2. The term of this lease shall be for the water year commencing October 1, 1973, and continuing to and including September 30, 1974.
3. MOBIL shall pay, before delinquency, all pumping assessments levied by the Central and West Basin Water Replenishment District on City's said Three Hundred (300) acre feet of water right.
4. City has been adjudicated to own at least Three Hundred (300) acre feet of water in the case entitled CALIFORNIA WATER SUPPLY COMPANY, et al vs. CITY OF COMPTON, et al, Los Angeles Superior Court Case No. 509,806. However, City expressly makes no warranty that it is the owner of or has the right to lease the water rights purported to be leased hereunder. In the event, however, that it is deemed at any time during the term hereof that City does not own the rights leased hereunder or any part thereof, City shall return to MOBIL any consideration paid to City, computed on the agreed price per acre foot for any water rights which MOBIL is unable to exercise because of City's lack of ownership in said water rights. City does not warrant that there is sufficient water in said West Basin so as to enable MOBIL to extract the rights leased to it hereunder, but in the event that MOBIL is prevented from exercising all or any portion of the rights leased hereunder due to exhaustion of said basin or intervention or prohibition by any legally constituted government authority, any consideration paid by MOBIL to City shall be returned to MOBIL upon the same basis as that stated above.
5. MOBIL shall exercise all of the rights leased hereunder and shall pump the same on behalf of City and shall put the same to beneficial use. MOBIL shall be relieved of its obligations under this paragraph to the extent that its failure to pump any of City's rights leased hereunder is caused by MOBIL'S inability to pump or use such water due to strikes, lockouts, algae growth in the water table, or any other reason which would make the water industrially unusable by MOBIL, acts of God, or other acts or occasions of which MOBIL has no control. MOBIL shall notify City within a reasonable time of the existence of any of the aforementioned conditions.
6. City shall not pump water from said West Basin during the term of this lease in a quantity which would include any portion of the Three Hundred (300) acre feet leased hereunder.
7. MOBIL shall report all of its extractions and pursuant to this lease to all agencies to whom such reports must be made, or in the alternative, shall provide such information regarding its pumping to City so that City may make such reports, if any are required under applicable law.

8. If either party to this lease shall desire to service a notice on the other, such notice shall be deemed to have been made if those sent to City are mailed to Mr. Wm. M. Glickman, Director of Public Works, City Hall, 330 Main Street, El Segundo, California 90245, and all notices sent to MOBIL are mailed to Mr. Arthur B. Hisey, Refinery Manager, Mobil Oil Corporation, 3700 West 190th Street, Torrance, California 90509. Delivery will be deemed to have been made when deposited in the United States mail, postage prepaid. Either party may, by notice in writing to the other, change such address for notice to it.

IN WITNESS WHEREOF THE parties hereto execute this agreement:

ATTEST

CITY OF EL SEGUNDO

Robert C. Lawrence
City Clerk

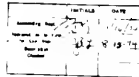
By *E. B. Palmer*
Mayor

Date August 15, 1974

MOBIL OIL CORPORATION

By *Arthur B. Hisey*
Refinery Manager

Date 8/15/74

LEASE OF WATER RIGHTS

THIS AGREEMENT is entered into this 1st day of October, 1973 by and between STANDARD OIL COMPANY OF CALIFORNIA, MISSISSIPPI OPERATIONS, INC., (a division of Standard Oil Company of California, a Delaware Corporation), hereinafter referred to as "STANDARD" and MOBIL OIL CORPORATION, hereinafter referred to as "MOBIL".

For and in consideration of the mutual undertakings and obligations of the parties as hereinafter set out and for other valuable consideration, the parties hereto agree as follows:

1. STANDARD hereby leases to MOBIL and MOBIL takes from STANDARD the right to exercise STANDARD'S appropriative, prescriptive and adjudicated right to extract water from the West Coast Basin (the ground water basin within the Central and West Basin Water Replenishment District in the State of California) to the extent of One Thousand Five Hundred (1,500) acre feet.
2. The term of this lease shall be for the water year commencing October 1, 1973, and continuing to and including September 30, 1974.
3. MOBIL shall pay, before delinquency, all pumping assessments levied by the Central and West Basin Water Replenishment District on STANDARD'S said One Thousand Five Hundred (1,500) acre feet of water right.
4. STANDARD has been adjudicated to own at least One Thousand Five Hundred (1,500) acre feet of water in the case entitled CALIFORNIA WATER SUPPLY COMPANY, et al vs. CITY OF COMPTON, et al, Los Angeles Superior Court Case No. 509,806. However, STANDARD expressly makes no warranty that it is the owner of or has the right to lease the water rights purported to be leased hereunder. In the event, however, that STANDARD does not own the rights leased hereunder or any part thereof, STANDARD shall return to MOBIL any

DEED OF WATER RIGHTS

For a valuable consideration, the UNITED CALIFORNIA WATER CORPORATION, hereinafter referred to as LICENSOR, and SALLY M. WALSH, Husband and Wife as Joint Tenants, the following

Right to EXTRACT WATER amounting to 50 acre-feet per annum from a surface water basin and reservoir commonly known as "WEST COAST BASIN" and more particularly described in a Judgment, in Case No. 50406 in the Superior Court of the State of California, in and for the County of Los Angeles, in their action entitled "CALIFORNIA WATER SERVICE COMPANY, et al., Plaintiffs, vs. THE CITY OF LONGTON, et al., Defendants", said judgment being entered August 22, 1961, in Book 291, Page 82, and is in favor of FRANK A. WALSH and ROSEMARY M. WALSH as to the 50

acre-feet

Dated July 12, 1974

UNITED CALIFORNIA WATER CORPORATION

By [Signature]
Attorney at Law

9/1 FILE 05-71-148

LICENSE FOR WATER RIGHTS WEST COAST BASIN

This agreement is entered into this 16th day of August 1974 by and between SOUTHERN CALIFORNIA Edison Company, a California corporation, hereinafter referred to as LICENSEE, and

For and in consideration of the mutual undertakings and covenants of the parties as hereinafter set forth and for other valuable consideration, the parties hereto agree as follows:

1. LICENSOR hereby gives to LICENSEE and LICENSEE takes from LICENSOR the right to exercise LICENSEE's appropriate, prescriptive and adjudicated right(s) to extract water from the West Coast Basin (the ground water basin within the Central and West Basin Water Replenishment District in the State of California) to the extent of Twenty-five (25) acre-feet per annum.

2. The term of this license shall be for the water year commencing October 1, 1973, and continuing to and including water year 90, 1974. Provided, however, that this agreement shall terminate immediately upon the expiration, cancellation or termination of the license previously granted to Chicago Edison.

3. LICENSEE shall pay, before delinquency, all pumping assessments levied by the Central and West Basin Water Replenishment District in LICENSEE's said Twenty-five (25) acre-feet of water.

4. LICENSEE shall comply promptly with all requirements of the Central and West Basin Water Replenishment District (including the filing of pumping reports and the obtaining of exchange pool water if necessary) and those of any public agency or authority.

5. LICENSEE has been adjudicated to own at least fifteen-seven and one-tenth (57 1/10) acre-feet of water in the case entitled California Water Service Company, et al. vs. City of Longton, et al., Los Angeles Superior Court Case No. 50406. However, LICENSEE expressly makes no warranty that it is the owner of or has the right to give the water rights purported to be given hereunder. LICENSEE does NOT warrant that there is sufficient water in said West Coast Basin as to enable LICENSEE to extract the rights given to it hereunder.

6. LICENSEE shall exercise all of the rights given hereunder and shall pump the same on behalf of LICENSEE and shall put the same to beneficial use. LICENSEE shall be relieved of its obligations under this paragraph to the extent that its failure to pump any of LICENSEE's rights given hereunder is caused by LICENSEE's inability to pump or use such water due to strikes, lockouts, algae growth in the water table or any other reason which would make the water agriculturally or industrially unusable by LICENSEE, acts of God or other acts or occasions of which LICENSEE shall notify LICENSEE within a reasonable time of the existence of any of the aforementioned conditions.

7. LICENSEE shall not pump water from said West Coast Basin during the term of this license in a quantity which would include any portion of the Twenty-five (25) acre-feet given hereunder.

8. LICENSEE agrees to relinquish to LICENSOR the right to pump any of the Twenty-five (25) acre-feet herein if and when not pumped by the LICENSEE during the term of this license.

9. If either party to this license shall desire to serve a notice on the other, such notice shall be deemed to have been made if those words to LICENSEE are mailed to Manager of Right of Way and Land Department, Southern California Edison Company, 18722 South Freeway, Suite 224, Walnut California 91782. Attention of Supervisor of Property Management, and all notices sent to LICENSEE shall be mailed when deposited in United States mail, postage prepaid. Either party may, by notice in writing to the other, change such address for notices to it.

IN WITNESS WHEREOF, the parties hereto execute this agreement on the date first above written.

SOUTHERN CALIFORNIA EDISON COMPANY
a California corporation

By [Signature]
LICENSEE

By [Signature]
LICENSEE

AND TRANSFER OF WATER RIGHTS

THIS AGREEMENT made and entered into as of the 16th day of August 1974 by and between the City of Longton, et al., a legal entity of the State of California, hereinafter referred to as "City", and PICO COUNTY WATER DISTRICT, a legal entity of the State of California, hereinafter "Pico".

WITNESSETH

That the parties hereto do mutually agree to the following: The City hereby leases and transfers to Pico County Water District, commencing with the date first above written, and including September 30, 1974, water rights consisting of the right to pump 500 acre-feet of water from a basin, known as the West Coast Basin, being the ground water basin within the West Basin Water Replenishment District in the State of California.

Pico shall pay to City a rental of Twenty-nine and Sixty-four (29 64/100) dollars per acre foot for the water rights leased and transferred hereunder.

Subject to the limitations hereinafter imposed, the quantity of water which Pico shall be entitled to pump as a result of this lease and transfer is five hundred (500) acre-feet and the total consideration is therefore, computed on the basis of said rental of Twenty-nine and Sixty-four (29 64/100) dollars per acre foot, is Fourteen Thousand, Five Hundred Dollars (\$14,500.00), which shall be paid to the City in two equal installments: one the 15th day of October, 1974, and the other the 15th day of November, 1974.

EXHIBIT ORIGINAL

Notwithstanding the foregoing lease and transfer of City's water rights, it is mutually agreed between the parties that City may at any time without prior notification or approval of Pico pump any portion of said five hundred (500) acre feet of water at any time that City determines that an emergency requires the use of such water by the City of El Segundo. Immediately following any such pumping by the City, City shall notify Pico of the quantities pumped so that appropriate allocation may be made in reports required by law.

City represents and warrants that it owns said water rights leased and transferred hereunder, and that City has a right to pump said five hundred (500) acre feet of water for and during said period, and that City has the full right to lease and transfer to Pico said water rights and the right to pump said five hundred (500) acre feet of water during said period.

Dated this 6th day of August, 1974.

CITY OF EL SEGUNDO

ATTEST

Salvatore J. Raimondo
City Clerk

(SEAL)

By C. L. Babin
Mayor

PICO COUNTY WATER DISTRICT

By Lucretia C. Taylor
Secretary

LEASE OF WATER RIGHTS

THIS LEASE is entered into the 22nd day of March 1974, by and between UNITED STATES STEEL CORPORATION, a Delaware corporation, hereinafter referred to as UNITED STATES STEEL, and PICO COUNTY WATER DISTRICT, a county water district organized under the Water Code of California, hereinafter referred to as PICO.

For and in consideration of the mutual undertakings and obligations of the parties as hereinafter set forth, and for other valuable consideration, the parties hereto agree as follows:

1. UNITED STATES STEEL has been adjudged to have a right to produce, extract and withdraw 1791 acre feet of water per annum from the West Coast Basin, which right is designated an Adjudicated Right, and is described in the Judgment in Los Angeles Superior Court Case No. 106806 entitled California Water Service Company, et al., v. City of Compton, et al.
2. UNITED STATES STEEL hereby leases to PICO and PICO hereby accepts from UNITED STATES STEEL a portion of said Adjudicated Right to the extent of 350 acre feet.
3. The term of this lease shall commence on the date of this lease and continue to and including September 30, 1974.
4. PICO shall pay to UNITED STATES STEEL the sum of \$10,500.00 on or before June 30, 1974.
5. PICO shall pay, before delinquency, all pumping assessments levied by the Central and West Basin Water Replenishment District on UNITED STATES STEEL's said 350 acre feet of water rights.

6. PICO shall exercise or cause to be exercised the right to pump said 350 acre feet of water leased hereunder and shall pump the same on behalf of UNITED STATES STEEL and shall put or cause to be put the same to beneficial use on or before September 30, 1974.

7. The last 350 acre feet of water extracted by PICO or others on its behalf from said West Coast Basin during the water year ending September 30, 1974, shall be deemed to be pursuant to and in exercise of the rights leased hereby; and if for any reason said last 350 acre feet of water cannot be considered or deemed to have been extracted pursuant to and in exercise of the rights leased hereby, then any 350 acre feet of water extracted by PICO or others on its behalf between the date hereof and September 30, 1974, shall be deemed to be pursuant to and in exercise of the rights leased hereby.

8. This lease shall not be construed in any way to be a transfer or to cause the transfer of any of Lessor's rights in said West Coast Basin except that PICO shall have the right to produce or cause to be produced by others 350 acre feet of water in and from the West Coast Basin during the water year ending September 30, 1974.

9. As further consideration for this lease, UNITED STATES STEEL shall have the right to demand from PICO 100 acre feet of water from the West Coast Basin during the water year October 1, 1974, to September 30, 1975, and PICO agrees to lease, or cause to be transferred to UNITED STATES STEEL the right to extract said 100 acre feet

2.

during said water year from said basin in the exercise of rights other than those presently owned by UNITED STATES STEEL. Said demand shall be made on or before June 1, 1975. Upon making the demand and receiving a lease of water rights in said quantity UNITED STATES STEEL shall pay to PICO the sum of \$3,000.00.

10. It is the intent of the parties that the lease of 350 acre feet of West Basin Water Rights of UNITED STATES STEEL shall not carry with it any rights to allowable overextraction or with respect to the computation of any carryover rights. It is the intent of both parties that UNITED STATES STEEL shall retain all of its rights with respect to allowable overextractions as though it had not leased any of its pumping allocation and that any computation of carryover rights shall be based on its allowed pumping allocation without reduction for the quantity leased hereby.

UNITED STATES STEEL CORPORATION

ATTEST:

By _____

Assistant Secretary

PICO COUNTY WATER DISTRICT

By _____
Secretary

SUGGESTED SAMPLES OF DOCUMENTS FOR TRANSFERRING WATER RIGHTS

YEARLY LEASE	PERMANENT TRANSFER
<p><u>WATER RIGHT LICENSE AND AGREEMENT</u></p>	<p><u>DEED OF WATER RIGHTS</u></p>
<p>For a valuable consideration, THE JOHN DOE COMPANY hereby grants to JOHN SMITH a license to extract _____ acre-feet of _____ water's Adjudicated Right allocated to Licensee (or predecessors in interest) under and pursuant to Judgment dated August 18, 1971, and entered in Los Angeles Superior Court Case No. _____ entitled "California Water Service Company, et al. vs. City of Pompton, et al." during the period commencing October 1, 1971, and continuing to and including September 30, 1971.</p>	<p>For a valuable consideration, JOHN SMITH hereby sells and transfers to the JOHN DOE COMPANY</p>
<p>Said license is granted, subject to the following conditions:</p>	<p>The Right to extract _____ acre-feet of grantor's _____</p>
<p>(1) Licensee shall exercise said right and extract the same on behalf of JOHN DOE COMPANY during the period above specified and put the same to beneficial use and Licensee shall not by the exercise hereunder of said right acquire any right to extra water independent of the rights of Licensee.</p>	<p>Adjudicated Right allocated to grantor (or predecessor in interest) under and pursuant to Judgment dated August 18, 1971 and entered in Los Angeles Superior Court Case No. _____ entitled "California Water Service Company, et al. vs. City of Pompton, et al."</p>
<p>(2) Licensee shall pay assessments levied on the pumping of said ground waters by the Central and West Basin Water Replenishment District.</p>	<p>_____</p>
<p>(3) Licensee shall notify the District and the Watermaster that said pumping was done pursuant to this license and provide the Watermaster with a copy of this document.</p>	<p>Dated: _____</p>
<p>(4) Licensee shall note, in any reduction of water production for the period of agreement, that said pumping was done pursuant to this license.</p>	<p>JOHN DOE COMPANY JOHN SMITH</p>
<p>(5) Licensee's Adjudicated Right _____ (shall not) (shall) be increased by the _____ and hereby agreed when "pumping" approved or allowable according to as provided by Paragraph VI in said Judgment.</p>	<p>By _____ Title _____</p>
<p>JOHN DOE COMPANY warrants that it has _____ acre-feet of Adjudicated Right and that it has not pumped and will not pump or permit it or any other person to pump any part of said _____ acre-feet during period of October 1, 1971 through September 30, 1971.</p>	<p>By _____ Title _____</p>
<p>Dated: _____</p>	<p>By _____ Title _____</p>
<p>JOHN DOE COMPANY JOHN SMITH</p>	<p>By _____ Title _____</p>
<p>By _____</p>	<p>By _____</p>
<p>Title _____</p>	<p>Title _____</p>

NO.

WATER USE LICENSE

The City of Inglewood, a municipal corporation, hereinafter referred to as "INGLEWOOD", hereby grants to ROLLING HILLS VISTA, a partnership, a licensee to extract 160 acre-feet of INGLEWOOD'S Restricted Pumping allocated to INGLEWOOD under the terms of the Decree in the action: California Water Service Company, et al., vs. Compton, No. 506826, during the period commencing October 1, 1973, and continuing to and including September 30, 1974.

(1) Licensee shall exercise said right and extract the same on behalf of INGLEWOOD during the period above specified and put the same to beneficial use and licensee shall not by the exercise hereunder of said right acquire any right to extract water independent of the rights of licensee.

(2) ROLLING HILLS VISTA will pay to the Central and West Basin Water Replenishment District any pumping assessments levied by the District during the 1974-75 water year on the quantity of water extracted by ROLLING HILLS VISTA from the West Basin under said license.

(3) ROLLING HILLS VISTA will keep and maintain records of agreed production under this agreement, and will report same to the Watermaster and to INGLEWOOD upon completion of ROLLING HILLS VISTA'S pumping

INGLEWOOD warrants that it has 160 acre-feet of Restricted Pumping, and that it has not pumped and will not pump or permit or license any other person to pump any part of said 160 acre-feet during the period of October 1, 1973 through September 30, 1974.

Dated: July 4, 1974

ROLLING HILLS VISTA, a partnership
By SUNNYGLEN CONSTRUCTION CO., INC., a general partner

By Richard A. Leonard
Richard A. Leonard, President

By Richard A. Leonard
Richard A. Leonard, Assistant Secretary

CITY OF INGLEWOOD, CALIFORNIA,
a California corporation

By Richard A. Leonard

ATTEST

CITY CLERK
(SEAL)

APPROVED AS TO FORM

CITY ATTORNEY

AGREEMENT

THIS AGREEMENT made and entered into this 4th day of June, 1974, by and between the CITY OF INGLEWOOD, a municipal corporation, hereinafter referred to as "INGLEWOOD" and ROLLING HILLS VISTA, a partnership

PICATALLA

WHEREAS, both INGLEWOOD and ROLLING HILLS VISTA are producing from the West Basin, and
WHEREAS, both INGLEWOOD has an allowed pumping allocation of 4402.09 acre-feet of water per annum in said Basin; and
WHEREAS ROLLING HILLS VISTA desires to make temporary use of a portion of INGLEWOOD'S allowed pumping allocation for one water year only;

NOW, THEREFORE, THE PARTIES HERETO AGREE AS FOLLOWS

1. INGLEWOOD has granted to ROLLING HILLS VISTA by a separate document a license to produce a portion of INGLEWOOD'S West Basin allowed pumping allocation in the quantity of 160 acre-feet for the water year which commences October 1, 1973, and which water year ends on September 30, 1974.

2. ROLLING HILLS VISTA agrees to pay INGLEWOOD the net sum of \$4640.00 in October, 1974.

IN WITNESS WHEREOF, the parties hereto have authorized the due execution hereof by their respective officers the day and year first above set forth.

ROLLING HILLS VISTA, a partnership
By SUNNYGLEN CONSTRUCTION CO., INC.,
a general partner

By Richard A. Leonard
Richard A. Leonard, President

CITY OF INGLEWOOD, CALIFORNIA,
a municipal corporation

By Richard A. Leonard

ATTEST:

CITY CLERK
(SEAL)

APPROVED AS TO FORM:

CITY ATTORNEY

EXCHANGE OF WATER RIGHTS

The parties hereto, STAUFFER CHEMICAL COMPANY, a corporation, hereinafter STAUFFER, and PICO COUNTY WATER DISTRICT, a county water district organized under Division 12 of the Water Code of California, hereinafter DISTRICT.

This agreement is based on the following facts:

1. STAUFFER has rights to produce water from the Central Basin of California adjudicated to it under Central and West Basin Water Replenishment District v. Charles E. Adams, et al., No. 786,656 Los Angeles Superior Court, and has the right to extract not less than 159.50 acre feet from said basin for the balance of the water year 1973-74.

2. DISTRICT has acquired by lease the right to extract in excess of 159.5 acre feet of water from the West Coast Basin for the balance of the water year 1973-74.

3. DISTRICT is presently obligated to provide 45 acre feet of West Basin Water Rights to STAUFFER pursuant to an agreement dated June 7, 1973.

4. The parties desire to exchange said rights on the terms and conditions set forth below.

The parties hereto agree as follows:

A. DISTRICT hereby gives and transfers to STAUFFER its rights to extract water from the West Coast

1.

Basin for the water year 1973-74 to the extent of 204.50 acre feet.

B. STAUFFER gives and transfers to DISTRICT its rights to extract water from the Central Basin for the water year 1973-74 to the extent of 159.5 acre feet.

C. Each party agrees to pay before delinquency all pumping assessments levied by the Central and West Basin Water Replenishment District on the water rights being transferred to each.

D. Each party agrees to pump and extract the full amount of water from the basin in which the transferred rights exist, to-wit, 159.5 acre feet by DISTRICT from Central Basin and 204.50 acre feet by STAUFFER from West Coast Basin and put said amount to beneficial use therein prior to the end of the 1973-74 water year.

E. STAUFFER agrees that the first 204.50 acre feet of water extracted by it from the West Coast Basin following the date of this agreement shall be deemed to be pursuant to and exercise of the rights transferred to it hereby and the DISTRICT agrees that 159.5 acre feet of the first 300 acre feet extracted by it following the date of this agreement from the Central Basin shall be deemed pursuant to and in exercise of the rights transferred to it hereby.

F. Each party agrees that the rights of each of them with respect to allowable overextractions or in the computation of carryover rights shall not be affected

2.

by the exchange of water rights provided herein. Their respective rights to allowable overextractions and carryover rights shall be determined and computed as though this exchange had not been made.

DATED: March 21, 1974

STAUFFER CHEMICAL COMPANY

By [Signature]
Authorized Signature

PICO COUNTY WATER DISTRICT

By [Signature]
Secretary

3.

APPENDIX B
GROUND WATER EXTRACTIONS

APPENDIX B. GROUND WATER EXTRACTIONS

In acre-feet

		PRODUCTION													
		1973												1974	
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APPENDIX B. GROUND WATER EXTRACTIONS

In acre-feet

(Continued)

		PRODUCTION												TOTAL
STATE	OWNERS	1973						1974						
WELL	DESIGN	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	
NUMBER	NATION													
INGLEWOOD, CITY OF														
25/144-12025	34	0	0	0	0	0	0	0	0	4.00*	0	0	0	4.00
25/144-12015	21	24.02	17.71	0	0	0	0	0	0	2.13	0	0	0	47.86
35/144-14015	38	0	0	.09	2.44	0	0	0	0	.72	0	0	3.04	6.33
35/144-10025	30	0	6.22	19.44	18.51	5.34	0	0	0	0	0	0	0	49.57
TOTALS		24.02	23.93	19.54	20.99	5.38	0	0	0	10.85	0	0	3.04	111.76
INGLEWOOD, CITY OF - GOLF COURSE														
25/144-14025	2	5.64	2.83	2.08	.40	4.19	2.58	7.13	7.94	4.96	4.05	2.59	6.83	51.22
INOS - PENICHI														
35/134-29045	10	1.35	.71	.54	.23	.79	.57	2.06	2.18	2.49	2.80	2.51	1.96	18.19
JOHN MANVILLE PRODUCTS CORP														
45/134-15015	W001	58.82	67.34	56.74	50.87	47.94	51.04	36.68	57.65	61.07	65.45	69.49	60.47*	683.45
LOS ANGELES, CITY OF														
45/134-31	S W001	0	0	0	0	0	245.18	499.54	486.23	390.73	0	0	0	1621.68
LOS ANGELES COUNTY ALONDRA PARK														
35/144-27015	761	47.15	24.35	2.85	0	13.00*	20.00	51.17	46.02	53.05	81.88	62.28	60.01	461.76
LOS ANGELES COUNTY SANIT DIST NO 2														
45/134-10015	B19	9.44	6.56	7.09	6.13	14.44	11.70	8.98	7.48	7.73	7.42	9.60	9.60	106.20
LOS ANGELES COUNTY-WESTERN AVE GOLF														
35/144-111025	1197C	13.07	1.73	1.94	.02	2.68	.30	13.70	11.38	18.08	18.09	8.57	4.78	94.36
MADISON BEACH, CITY OF														
15/144-24015	11	0	0	0	0	0	25.63	70.06	72.67	68.25	75.08	72.85	67.71	452.25
MAYFLOWER INDUSTRIES														
35/134-11075	W042	.08	.04	.04	.09	.04	.07	.05	.09	.11	.13	.14	.10	.98
35/144-25015	N041	1.73	1.06	.84	.52	1.27	.71	1.76	1.67	2.03	1.65	4.71	4.55	24.50
TOTALS		1.81	1.10	.88	.61	1.31	.78	1.81	1.76	2.14	1.78	4.85	4.65	25.48
MCDONNELL DRUGS CORP DEPT CA-704														
45/144-01025	1	0	.01	0	0	0	0	0	0	0	0	.01	0	.02
MOBIL OIL CORPORATION														
45/144-031025	T0002	67.17	59.11	50.13	62.54	47.89	38.08	51.63	45.56	62.46	65.74	11.98	68.67	630.76
45/144-031035	T0003	109.24	105.97	107.59	107.41	94.04	97.84	91.94	83.17	92.69	95.77	87.40	96.01	1169.47
45/144-031045	T0004	112.58	108.17	110.10	109.82	97.82	98.64	98.03	86.09	91.82	93.65	87.31	90.58	1182.63
45/144-031015	T0004	120.59	115.82	119.75	119.82	107.13	118.85	116.41	104.03	121.48	124.07	110.67	114.28	1386.90
TOTALS		409.58	390.07	387.07	390.64	346.68	353.41	350.01	318.85	368.45	379.23	297.38	369.54	4364.76
MOZAKI - SUMITOMO														
35/134-29015	N02	4.75	1.70	1.41	.72	2.36	1.99	4.53	4.18	5.33	6.11	6.73	5.77	45.98
OTIS - CHISATO														
35/144-13045	OTIS3	1.80*	1.24*	.52*	.04*	.44	.30	2.80	2.52	2.79	1.54	.90	1.30	18.19
35/144-13045	SCFO	1.10	.73	0	.74	0	.36	.74	2.55	3.46	3.57	3.73	1.77	18.79
TOTALS		2.90	1.97	.52	.78	.44	.66	3.54	5.07	6.25	5.11	4.63	3.07	36.98
PACIFIC CREST CEMETERY COMPANY														
35/144-13015	743	.91	3.93	1.14	.73	2.04	1.27	4.20	6.86	5.59	6.75	6.88	5.78	40.12

APPENDIX B. GROUND WATER EXTRACTS (Continued)

In acre-feet
(Continued)

STATE	OWNERS	PRODUCTION												TOTAL
		1973			1974									
FULL NAME	NATION	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	
PAULS VANDER REGONIA FARM														
45/14--210015	1	.11*	.09*	.06*	.16*	.10*	.08*	.07*	.18*	.23*	.21*	.20*	.17*	1.66
PAPA WATER COMPANY														
35/14--220015	150	25.12	8.05	14.49	11.15	13.39	14.47	26.78	21.98	42.06	11.14	28.77	29.25	264.67
35/14--220015	154	.01	.01	.02	.02	.01	.01	.02	.01	.11	.09	.01	.45	.80
35/14--220025	154	.01	.11	.01	.01	.01	.01	.03	.07	.01	.01	.01	0	.25
TOTALS		25.14	8.17	14.52	11.18	13.39	14.49	26.81	22.01	42.18	11.26	28.81	29.70	265.72
PULPING HILLS VISTA														
45/14--240015	TOPP	0	0	0	0	0	0	0*	1.70*	1.76*	1.25*	1.76*	0	10.47
ROMNEY ESTATE ARCHBISHOP OF L A														
25/14--140015	HOLLY	1.74	3.99	2.00	1.28	4.51	0	4.72	0	14.87	16.19	71.77	30.36	171.48
SHEETS, ESTHER M														
35/13--120025	-23F	.01*	.02*	.01*	0*	0*	0	0	0	0*	0	0	0	.04
SHILL OIL COMPANY														
45/13--020025	00005	0	.02	0	0	0	17.77	32.19	129.22	105.02	117.65	126.17	111.90	640.21
45/13--100015	00004	0	.04	0	0	0	0	0	0	0	0	0	0	.04
45/13--100025	00004	243.06	250.62	268.76	229.17	226.24	143.49	184.80	165.19	165.64	199.34	181.89	169.94	2471.54
45/13--100015	10002	101.44	112.95	109.47	114.27	101.78	101.68	94.56	81.04	77.32	69.88	94.64	51.56	1094.92
45/13--210025	10001	8.65	4.66	4.12	2.49	2.10	4.88	12.26	16.95	24.64	14.02	31.71	58.65	254.62
TOTALS		351.10	368.05	380.75	343.43	312.10	316.10	310.81	415.30	372.64	420.69	436.61	392.05	4461.33
SOUTHERN CALIFORNIA WATER COMPANY														
35/14--140025	WATSON	.26	.64	.07	0	.64	.02	.21	.64	.70	.69	.70	.82	4.53
45/13--140015	WATSON	.15*	.12*	.02*	.25*	.14*	0	.14*	.12*	.17*	.22*	.46*	.37*	2.28
45/13--220025	WATSON	.05*	.05*	.07*	.13*	.14*	.07*	.06*	.11*	.08*	.09*	.07*	.07*	.99
TOTALS		.46*	.81*	.16*	.43*	.91*	.23*	.41*	.87*	.95*	.98*	1.23*	1.26*	7.80
SOUTHERN CALIFORNIA WATER COMPANY														
35/14--030015	W0001	14.14	2.24	1.21	1.44	14.11	11.72	7.95	14.70	14.65	11.07	18.53	47.93	214.65
35/14--030025	W0002	14.43	47.44	48.44	44.43	44.37	44.10	79.84	44.64	44.64	44.67	44.61	44.96	825.88
35/14--030035	W0003	72.16	71.66	72.21	66.14	66.31	72.10	69.16	63.15	62.02	50.51	55.11	62.70	742.70
35/14--040015	T0001	6.25	2.34	.02	4.33	5.02	.35	0	3.64	56.78	60.91	50.43	41.16	240.43
35/14--110025	W0001	11.44	14.00	14.23	14.17	14.52	14.44	44.43	44.64	43.07	44.72	37.63	17.24	404.17
35/14--130025	W0001	72.14	42.17	74.20	41.45	74.43	77.00	101.24	94.71	50.42	56.22	24.64	4.91	754.05
35/14--130035	W0001	44.44	56.78	37.11	44.44	34.44	44.44	34.44	34.44	44.44	34.44	34.44	34.44	431.93
35/14--130045	W0004	14.44	12.16	22.16	4.44	4.44	4.44	14.44	26.19	23.44	14.44	34.44	32.92	248.97
35/14--140015	F0001	40.43*	55.44*	0	50.43*	51.44	51.44	55.43*	52.14	4.26	1.23	0	0	362.92
35/14--140015	129	1.07	0	0	0	0	0	0	14.78	18.03	1.07	0	0	34.95
35/14--210015	W0001	54.17*	44.44	.12	0	34.44	50.10*	44.44	44.90	4.61	.10	0	0	296.54
35/14--220015	F0001	40.43*	32.43*	24.43*	14.33	31.77*	31.71	31.01	34.44*	31.44	42.95	44.30	12.46	411.25
35/14--220025	F0002	41.21	24.44	5.43	11.12*	22.47	45.04	43.06	40.52	58.10	44.39	41.71	0	521.71
35/14--220015	F0001	0	0	0	0	54.24	40.78	24.72	14.13	.05	0	0	0	265.46
35/14--250045	W0001	44.14*	42.44	43.12	41.44	44.44	57.14	41.55	55.24	14.15	40.29	34.15	12.06	414.25
TOTALS		417.29	555.45	410.13	196.24	545.01	651.67	634.81	724.20	544.04	546.43	504.93	353.06	4433.80
SPARKLETS DRINKING WATER CUMP														
35/14--200015	1	3.70	3.33	1.14	1.44	2.71	3.04	1.33	5.01	4.04	5.02	5.45	4.65	46.92
35/13--200015	2	2.77	2.44	1.44	2.50	2.11	2.81	1.04	1.14	2.17	1.15	1.24	2.44	37.56
TOTALS		6.47	5.91	2.58	3.94	4.82	5.87	2.37	6.15	6.21	6.17	6.73	7.09	79.48
STANFORD CHEMICAL COMPANY														
45/13--100015	00014	47.54	44.44	45.42	42.45	37.10	34.40	41.33	39.24	37.14	11.10	33.94	44.62	466.55
TEARROCK INCORPORATED														
45/13--220025	W0001	14.15	12.92	12.40	12.44	11.42	12.14	11.36	12.74	12.77	14.82	15.10	15.04	160.94
45/13--220055	4	44.42	0	44.67	0	0	0	0	0	0	0	3.54	0	94.43
45/13--220015	9	243.60	113.61	249.17	210.70	147.54	271.93	104.91	273.61	165.50	142.02	307.27	297.27	3344.64
TOTALS		351.27	325.93	314.13	243.45	149.46	241.17	122.27	248.35	114.27	154.84	326.00	312.35	3465.01

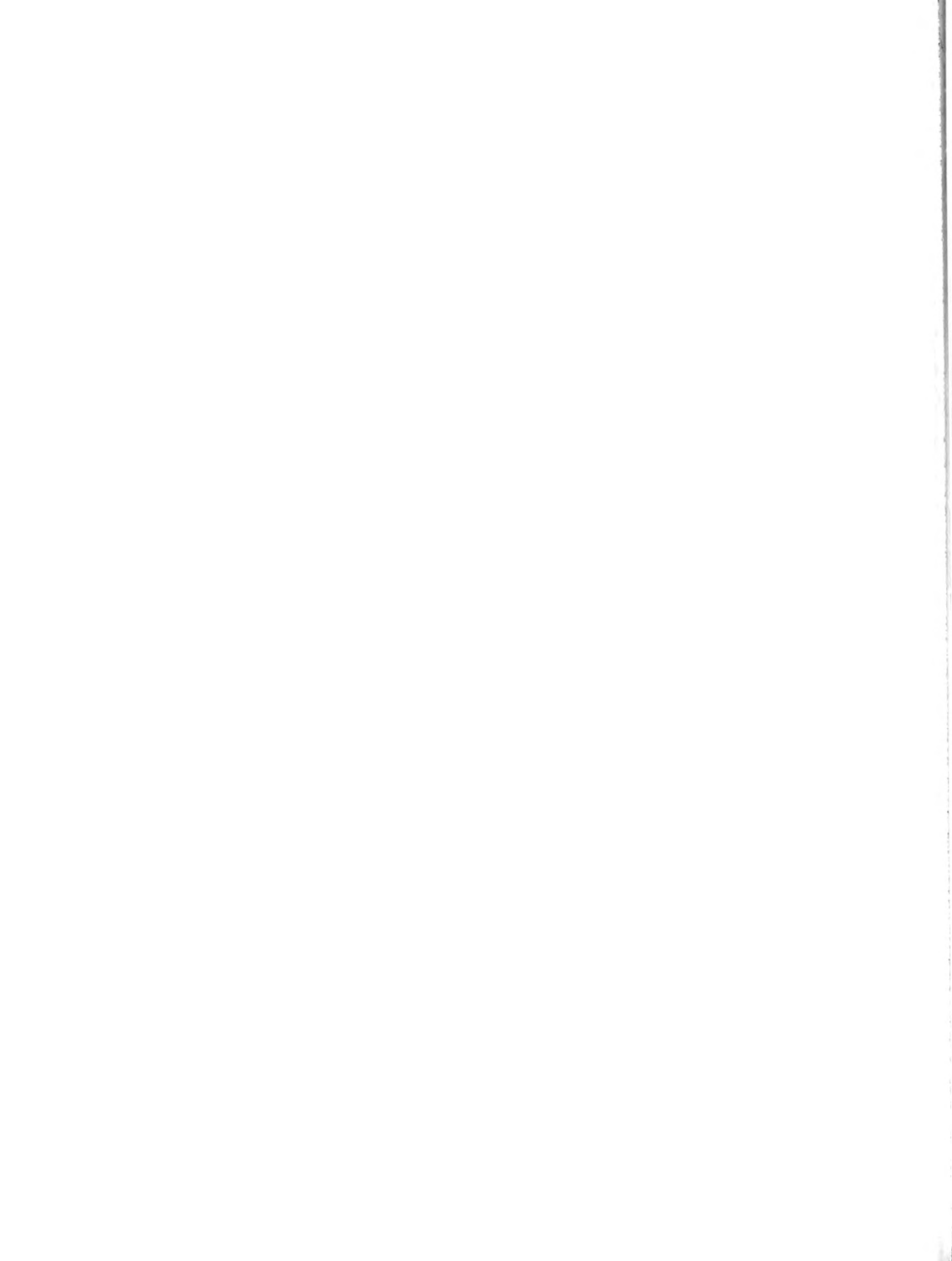
APPENDIX B. GROUND WATER EXTRACTIONS

In acre-feet

(Continued)

			PRODUCTION												TOTAL
STATE	OWNERS		1974												
WELL	DESIGN		1974												
NUMBER	NATION		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	
TOMBANCE, CITY OF															
35/144-140025	6	.32	0	0	0	0	0	15.12	43.90	140.99	217.38	147.14	38.18		721.05
45/144-100115	2	.03	.03	.07	.02	.03	.02	.03	.02	19.57	49.11	77.50	.03		146.40
45/144-10025	4	34.16	6.48	4.05	0	14.65	.04	33.32	144.96	253.41	292.04	311.47	222.15		1345.17
45/144-100115	5	10.64	.10	.10	.10	20.33	.98	70.01	343.26	339.44	106.14	338.64	142.11		1571.04
TOTALS		49.19	6.61	4.22	.12	34.01	.14	114.48	592.14	793.41	864.71	914.42	402.47		3745.72
UNION MINSEBY INC															
35/134-290045	H31AR	2.13	1.81	1.31	1.17	1.67	1.77	2.53	2.69	2.18	2.84	2.99	2.59		26.08
UNION OIL COMPANY OF CALIFORNIA															
45/134-110115	L8003	103.05	94.62	94.05	92.30	76.84	40.25	69.71	63.72	57.25	56.50	51.79	54.80		894.88
UNITED STATES STEEL CORPORATION															
45/144-110045	5	114.61	105.67	95.53	85.03	77.05	84.01	105.22	102.29	92.71	103.01	101.32	99.82		1170.27
ZEPHYRUS MANUFACT. I.															
35/134-110015	H13N	2.14	1.40	.53	.48	1.21	.84	2.44	2.76	3.75	3.55	4.24	2.93		26.42
GRAND TOTALS		4503.17	3814.49	3511.77	3440.47	4011.34	4455.34	5514.22	5640.68	5476.42	5533.44	4814.08	5494.10		

* ESTIMATED PRODUCTION



APPENDIX C
CHANGES IN WELL STATUS 1973-74

Wells Drilled

- None -

Wells Destroyed

3S/13W-32E02	Sheets, Esther M.
3S/14W-08D03	Los Angeles County Waterworks District No. 22
4S/14W-27N02*	Rolling Hills Vista
4S/14W-28J01*	Rolling Hills Vista

*Wells were formerly owned by Chandlers
Palos Verdes Sand and Gravel Corporation

